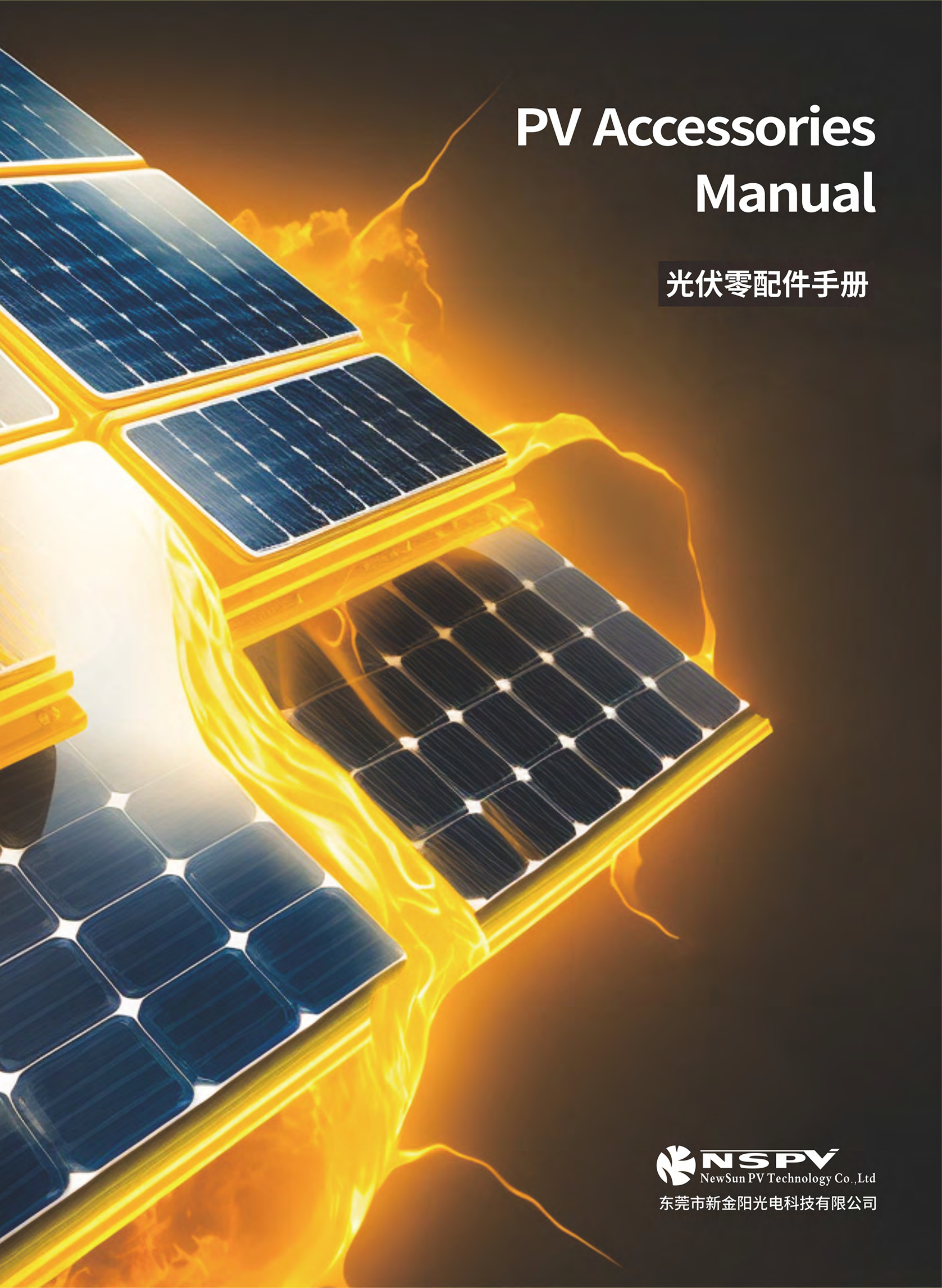




# PV Accessories Manual

光伏零配件手册



# Hand in Hand

## 共同携手

为“绿色能源”和“世界环保”献出一份力，  
为人类发展创造美好的明天献出一份力。

We make every effort to “Green Energy” and “World Environmental Protection”  
and dedicate to create a better future for human beings.





# NewSun

# Profile

## 公司概况

世界人口的增加及全球经济的增长对能源需求越来越大,人类赖以生存的地球正在面临日益严峻的能源危机。太阳能作为零排放、零消耗、清洁、安全、环保的可再生能源,具有极大的潜能。

新金阳光电科技有限公司竭力为节能减排、低碳环保,建设和不断推进绿色可再生能源的发展作出应有的贡献。公司集设计、研发、生产、销售为一体的现代化管理企业。产品包含光伏系统连接(连接器、接线盒、光伏线缆、安装配件、控制器、配电箱&汇流箱、逆变器&微逆变器、支架...);系统保护(接地保护、二极管、保险丝、断路器...)及系统优化等,符合TUV、UL、SAA、CE等相关认证标准。并涵盖光伏系统应用、太阳能路灯、风光互补路灯等领域。以及光伏系统集成解决方案(EPC)。

“专注品质、开拓创新、诚信务实、合作共赢、服务社会”是新金阳人始终如一的追求。为光伏零组件商,系统安装商提供优质、经济、安全、可靠的技术和具有竞争优势的产品是新金阳永恒的方针。我们不断超越,共同携手为“绿色能源”和“世界环保”献出一份力,为人类发展创造美好的明天献出一份力。

NewSun PV Technology Co., Ltd strives to make contribution to energy saving, low carbon emission, environmental protection, and will continuously push forward to the development of green renewable energy. The company integrates design, development, production, sales as the modern management of enterprises. Our product line includes PV Solar System (connectors, junction box, PV cable, installation accessories, controller, distribution box & combiner box, inverter & micro-inverter and bracket, etc.), Protection System (earth-fault protection, diode connector, fuse connector, circuit breaker, etc.) and System Optimization. Our products meet the standards of TUV, UL, SAA, CE certification. Also the field covers the PV system

application, solar street light, solar hybrid street lighting, etc. and Energy Performance Contracting(EPC).

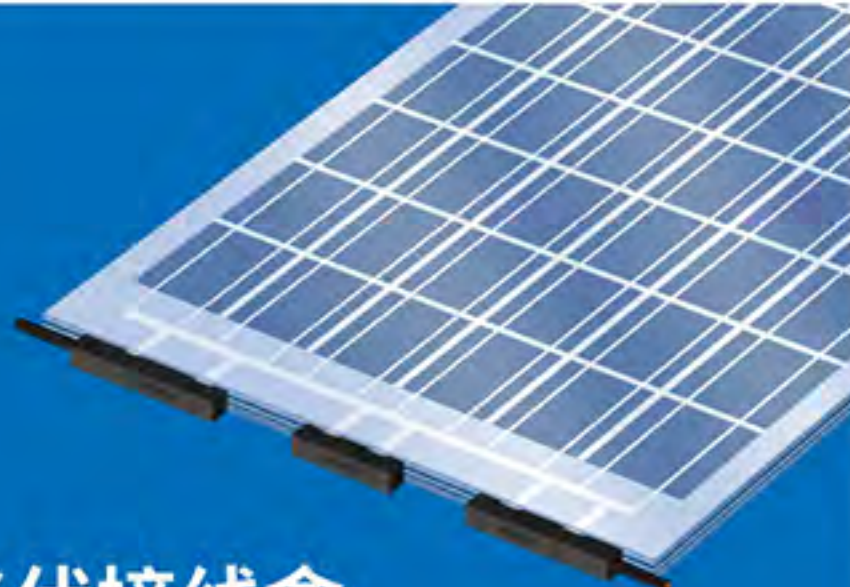
“Exploration and innovation, quality, honesty and pragmatism, win-win cooperation, social responsibility” is the consistent spirit for NSPV people. Offer high quality, economical cost, safe solution and reliable technology with optimization in energy conservation and environmental protection is the solid goal for photovoltaic component manufacturers and system installers include NSPV. We will continuously make contribution to "Green energy" and "World environmental protection" for establishing humans better tomorrow.







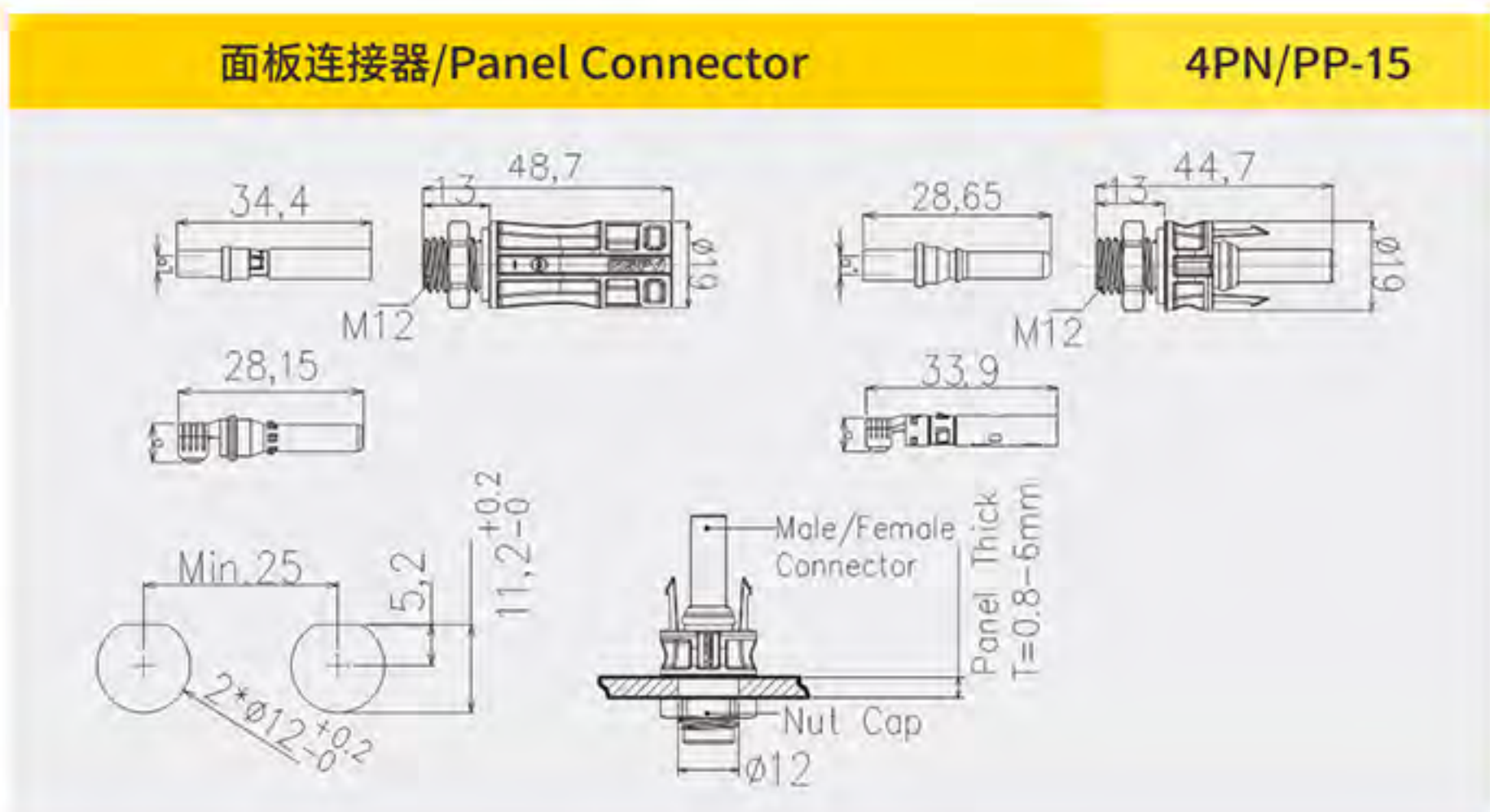
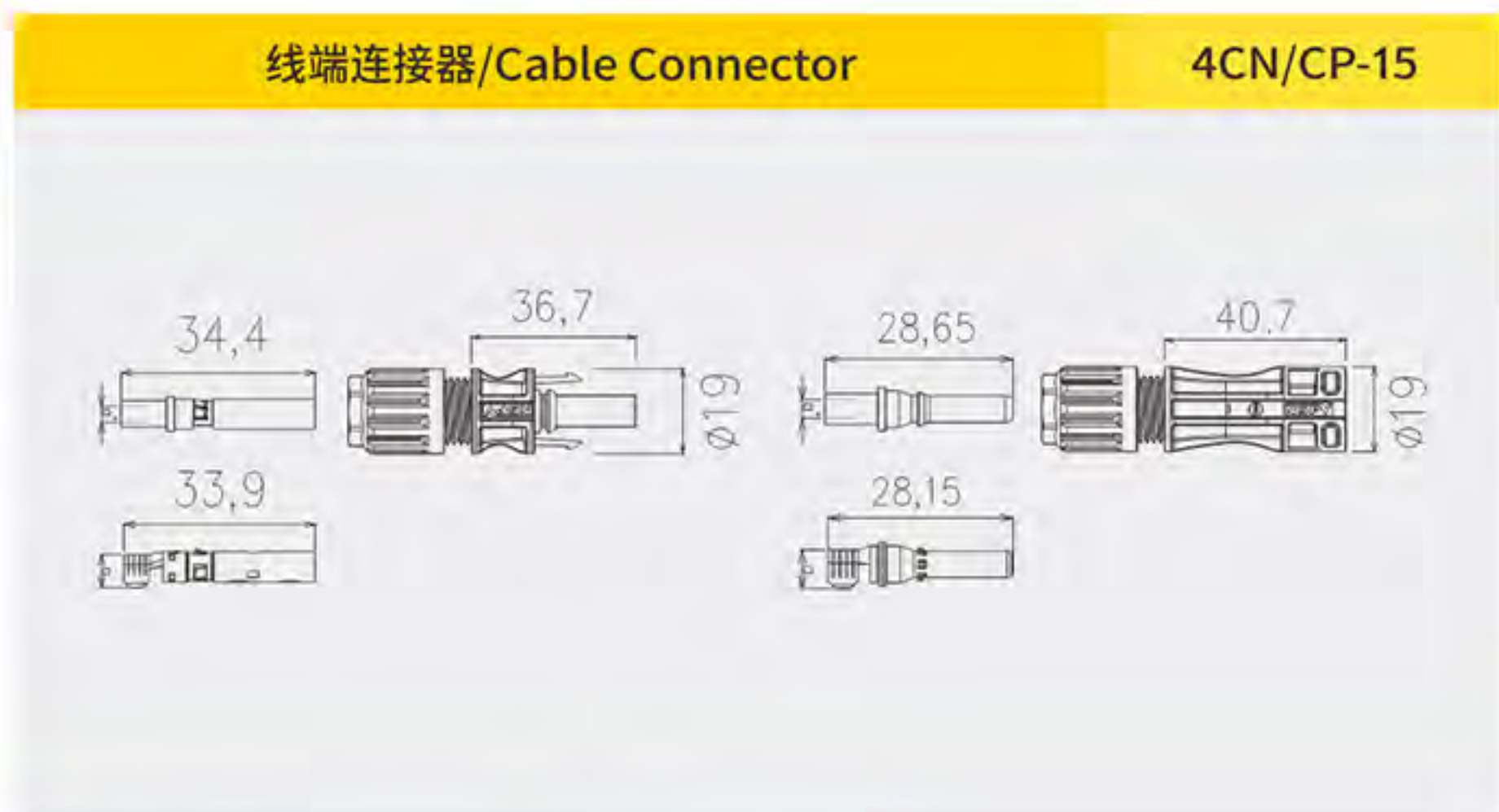
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# 光伏4.0连接器1500V DC

## PV 4.0 CONNECTOR 1500V DC



### 产品规格 Product Specifications

|                              |                        |                                               |                     |
|------------------------------|------------------------|-----------------------------------------------|---------------------|
| 绝缘材料<br>Insulation material  | PPE/PA                 | 阻燃等级<br>Flame class                           | UL94-V0             |
| 额定电流<br>Rated current        | 见下表/See table below    | 温度上限<br>Upper limiting temperature            | 110°C(IEC)          |
| 额定电压<br>Rated voltage        | 1500V DC               | 拔出力/插入力<br>Withdrawal force/Insertion force   | ≥50N/≤50N           |
| 测试电压<br>Test voltage         | 8KV(50Hz,1min)         | 过压等级<br>Overvoltage category/Pollution degree | CATIII/2            |
| 接触电阻<br>Contact resistance   | ≤ 0.25 mΩ              | 环境温度范围<br>Ambient temperature range           | -40°C...+85°C(IEC)  |
| 导体材料<br>Contact material     | 铜,镀锡/Copper,Tin plated | 适配电线规格<br>Suitable cable cross sections       | 2.5~16mm²/14~6AWG   |
| 防护等级<br>Degree of protection | IP68                   | 连接方式<br>Connection mode                       | 压接/Crimp connection |
| 安全等级<br>Safety degree        | II                     | 产品颜色<br>Product color                         | 黑色/Black            |

| 4.0 线端连接器4.0 Cable Connector | 4.0 板端连接器 4.0 Panel Connector | 电流 Current | a   | a'    | 适配电线规格 Cable Size |
|------------------------------|-------------------------------|------------|-----|-------|-------------------|
| 料号 Part No.                  |                               | Amps       |     |       |                   |
| 4CN/CP25                     | 4PP/PN25                      | 35         | 4.8 | Ø 2.1 | 2.5mm² &14AWG     |
| 4CN/CP40                     | 4PP/PN40                      | 45         | 5.8 | Ø2.8  | 4.0mm² &12AWG     |
| 4CN/CP60                     | 4PP/PN60                      | 55         | 5.8 | Ø3.4  | 6.0mm² &10AWG     |
| 4CN/CP100                    |                               | 60         | 7.9 | Ø4.5  | 10.0mm² &8AWG     |
| 4CN/CP160                    |                               | 70         |     | Ø5.6  | 16.0mm² &6AWG     |

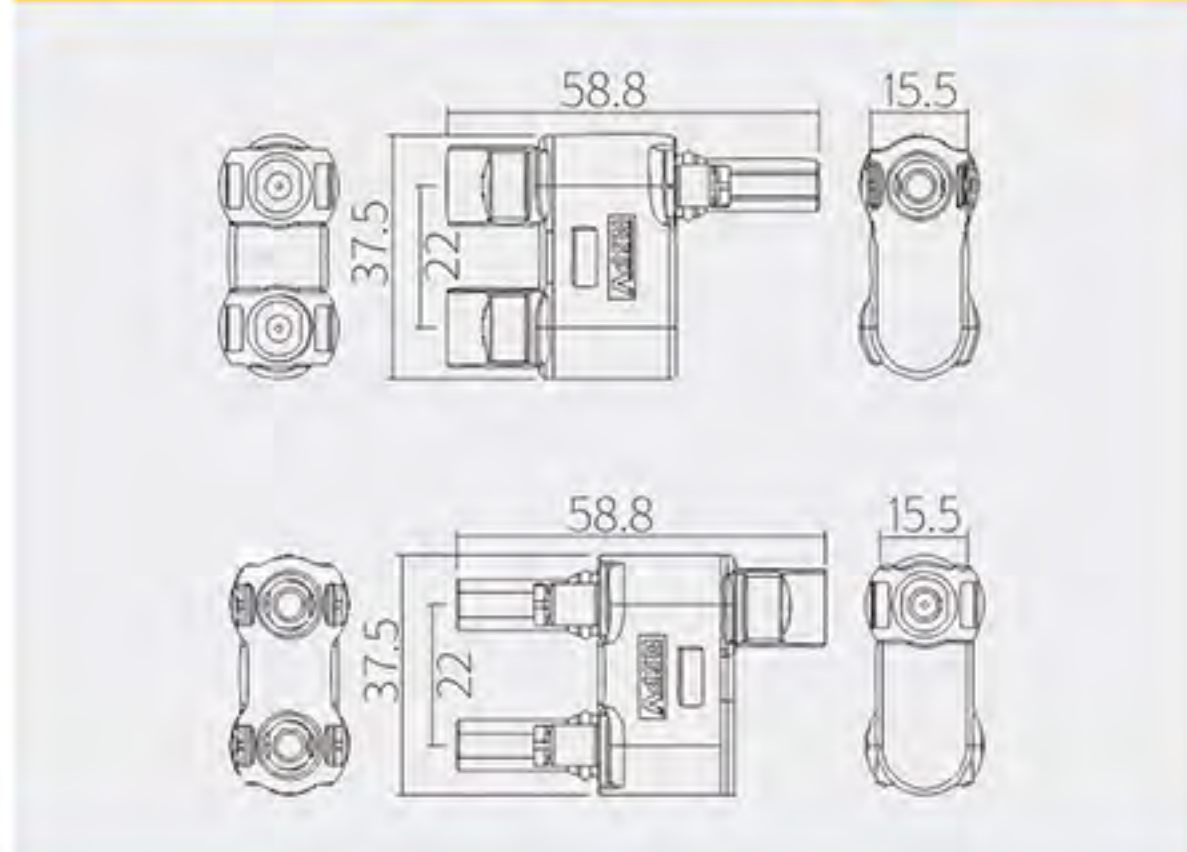


# 光伏4.0分支连接器1500V DC

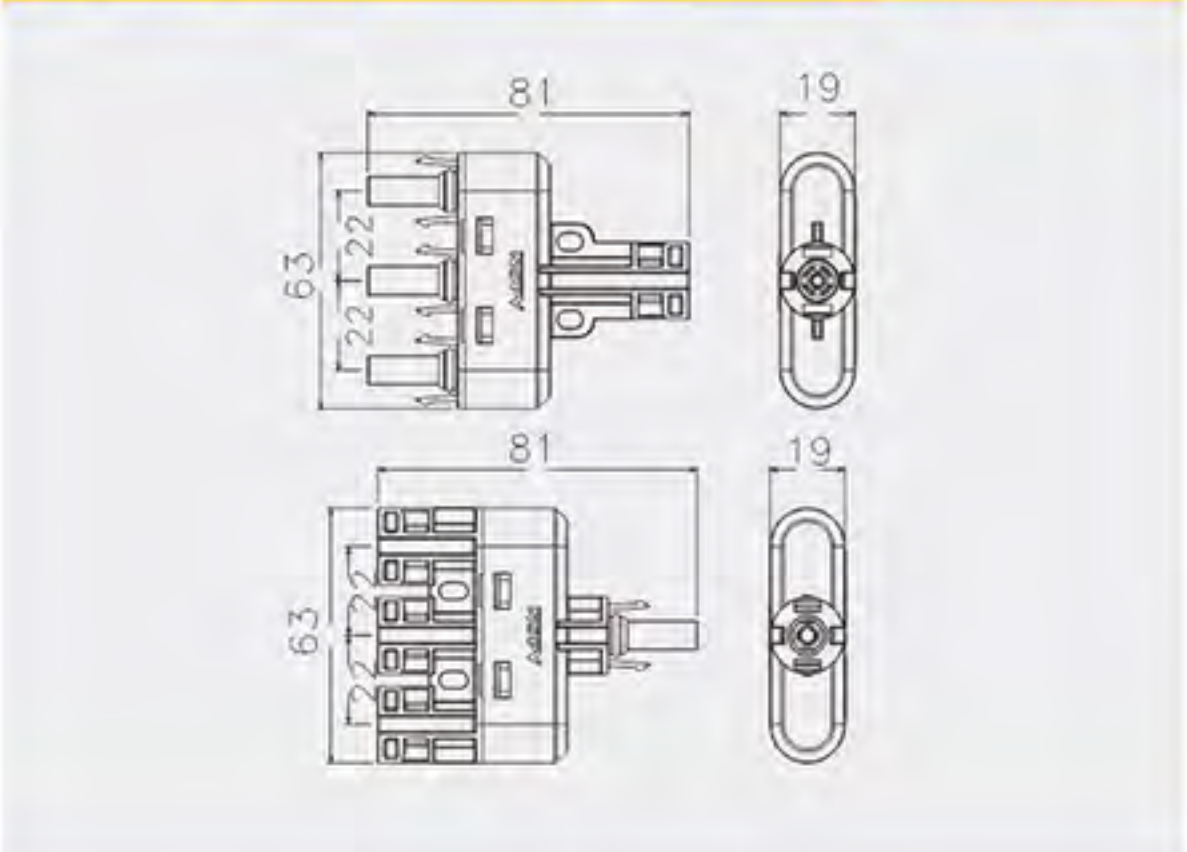
PV 4.0 BRANCH CONNECTOR 1500V DC



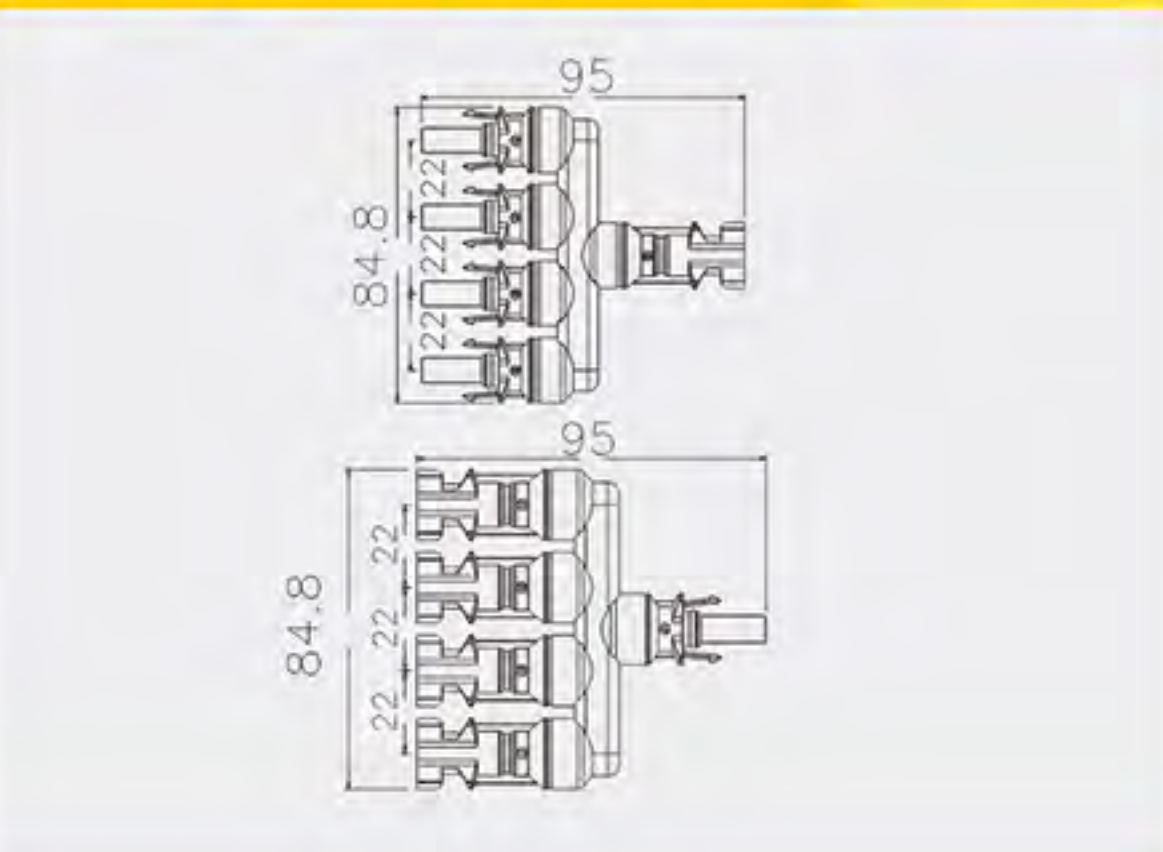
2转1连接器/2to1 Branch connector 4BP/BN-15



3转1连接器/3to1 Branch connector 31BN/BP-15



4转1连接器/4to1 Branch connector 4B4100/01



## 产品规格 Product Specifications

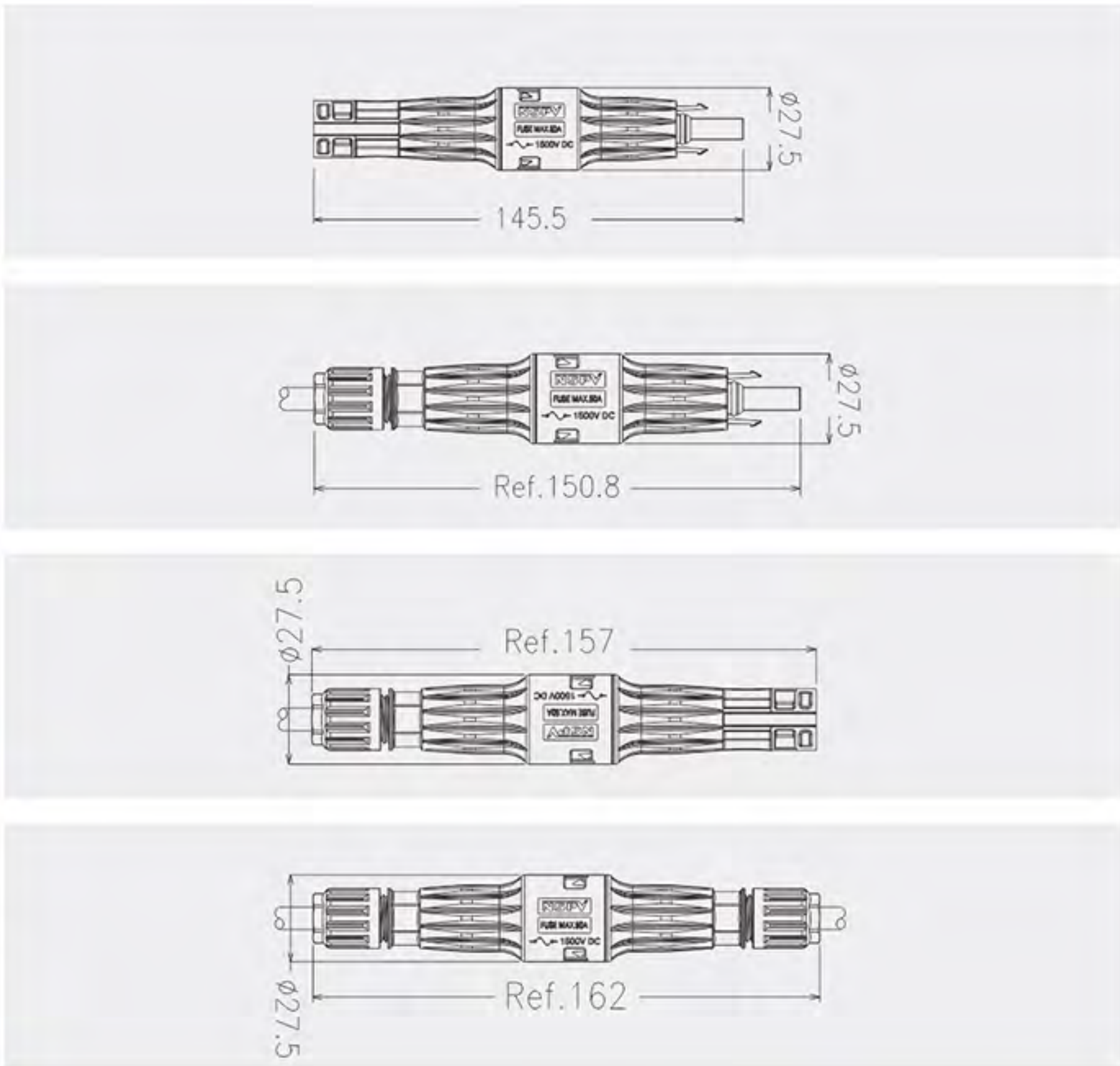
|                                               |                        |                                     |                       |
|-----------------------------------------------|------------------------|-------------------------------------|-----------------------|
| 绝缘材料<br>Insulation material                   | PPE                    | 安全等级<br>Safety degree               | II                    |
| 额定电压<br>Rated voltage                         | 1500V DC               | 阻燃等级<br>Flame class                 | UL94-V0               |
| 额定电流<br>Rated current                         | 60A                    | 插入力<br>Insertion force              | ≤50N                  |
| 测试电压<br>Test voltage                          | 8kV(50Hz,1min)         | 拔出力<br>Withdrawal force             | ≥50N                  |
| 连接器接触电阻<br>Contact resistance                 | ≤ 0.25 mΩ              | 环境温度范围<br>Ambient temperature range | -40°C...+85°C(IEC)    |
| 金属导体材料<br>Contact material                    | 铜,镀锡/Copper,Tin plated | 温度上限<br>Upper limiting temperature  | 110°C(IEC)            |
| 防护等级<br>Degree of protection                  | IP68                   | 产品颜色<br>Product color               | 黑色/Black              |
| 过压等级<br>Overvoltage category/Pollution degree | CATIII/2               | 连接方式<br>Connection mode             | 直插/Connect straightly |





# 光伏4.0保险丝连接器1500V DC

PV 4.0 FUSE CONNECTOR 1500V DC



| 产品规格 Product Specifications                  |                                                                           |
|----------------------------------------------|---------------------------------------------------------------------------|
| 绝缘材料<br>Insulation material                  | PPE/PA                                                                    |
| 额定电流(不含保险丝)<br>Rated current (Without fuse)  | 50A                                                                       |
| 额定电压<br>Rated voltage                        | 1500VDC                                                                   |
| 最大的测试电压(含保险丝)<br>Maximum voltage (With fuse) | 1575V                                                                     |
| 连接器接触电阻<br>Contact resistance                | $\leq 0.25\text{ m}\Omega$                                                |
| 金属导体材料<br>Contact material                   | 铜,镀锡<br>Copper,Tin plated                                                 |
| 防护等级<br>Degree of protection                 | IP68                                                                      |
| 产品颜色<br>Product color                        | 黑色/Black                                                                  |
| 保险丝规格<br>Fuse Specification                  | 1A,2A,3A,3.5A,4A,5A,6A,8A,10A,12A,15A,16A,20A,25A,30A,32A,35A,40A,45A,50A |
| 阻燃等级<br>Flame class                          | UL94-V0                                                                   |
| 安全等级<br>Safety degree                        | II                                                                        |
| 符合标准<br>Regulatory approval                  | TUV,CE                                                                    |
| 环境温度范围<br>Ambient temperature range          | -40°C...+85°C(IEC)                                                        |
| 适配电线规格<br>Suitable cable cross sections      | 2.5-10mm <sup>2</sup> /14-8AWG                                            |
| 适配保险丝尺寸 (mm)<br>Suitable for fuse size(mm)   | 10*85 or 10/14*85                                                         |
| 温度上限<br>Upper limiting temperature           | 110°C(IEC)                                                                |

便捷快速

更换内部保险丝

Replace Inline Fuse

节省成本 维护简单

外观设计专利产品

Patent for appearance design

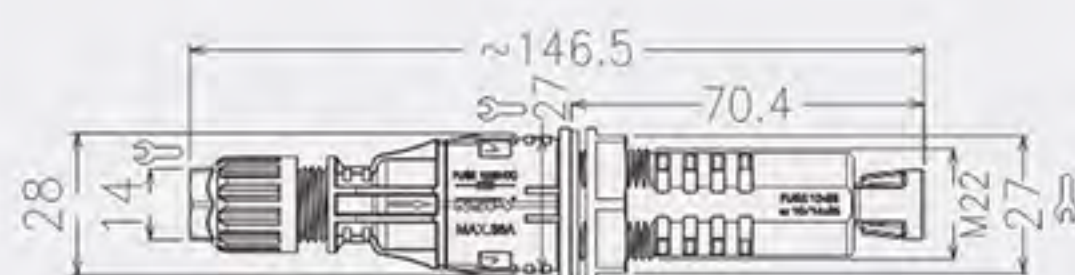


# 光伏4.0 面板式保险丝连接器1500V DC

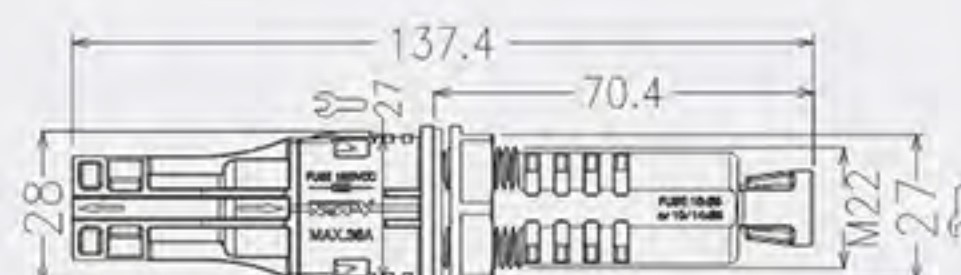
PV 4.0 PANEL FUSE Connector 1500V DC



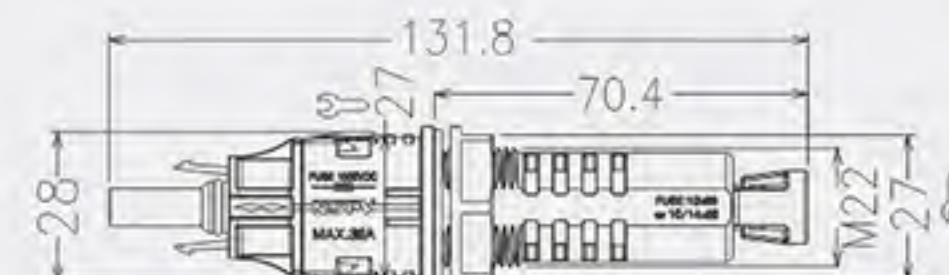
4PFC



4PFM



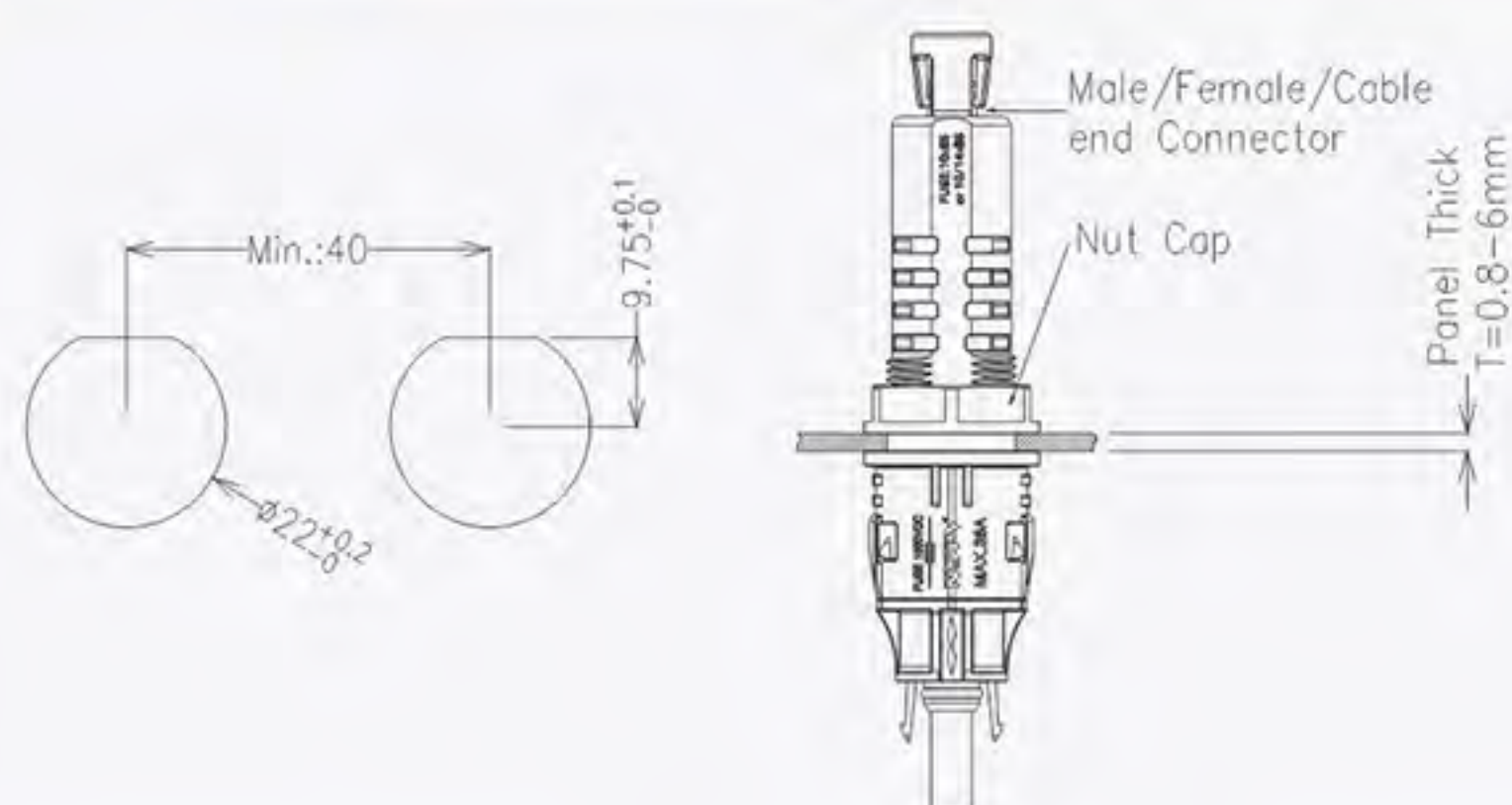
4PFF



## 产品规格 Product Specifications

|                                              |                                                                           |
|----------------------------------------------|---------------------------------------------------------------------------|
| 绝缘材料<br>Insulation material                  | PPE/PA                                                                    |
| 额定电流(不含保险丝)<br>Rated current (Without fuse)  | 50A                                                                       |
| 额定电压<br>Rated voltage                        | 1500VDC                                                                   |
| 最大的测试电压(含保险丝)<br>Maximum voltage (With fuse) | 1575V                                                                     |
| 连接器接触电阻<br>Contact resistance                | $\leq 0.25 \text{ m}\Omega$                                               |
| 金属导体材料<br>Contact material                   | 铜,镀锡<br>Copper,Tin plated                                                 |
| 防护等级<br>Degree of protection                 | IP68                                                                      |
| 产品颜色<br>Product color                        | 黑色/Black                                                                  |
| 保险丝规格<br>Fuse Specification                  | 1A,2A,3A,3.5A,4A,5A,6A,8A,10A,12A,15A,16A,20A,25A,30A,32A,35A,40A,45A,50A |
| 阻燃等级<br>Flame class                          | UL94-V0                                                                   |
| 安全等级<br>Safety degree                        | II                                                                        |
| 符合标准<br>Regulatory approval                  | TUV,CE                                                                    |
| 环境温度范围<br>Ambient temperature range          | -40°C...+85°C(IEC)                                                        |
| 适配电线规格<br>Suitable cable cross sections      | 2.5-10mm <sup>2</sup> /14-8AWG                                            |
| 适配保险丝尺寸(mm)<br>Suitable for fuse size(mm)    | 10*85 or 10/14*85                                                         |
| 温度上限<br>Upper limiting temperature           | 110°C(IEC)                                                                |

## 面板孔位尺寸 Panel Hole Size



便捷快速

更换内部保险丝

Replace Inline Fuse

外置型 | 热量低  
空间小 | 省成本

External type | low heat  
Small space | save cost

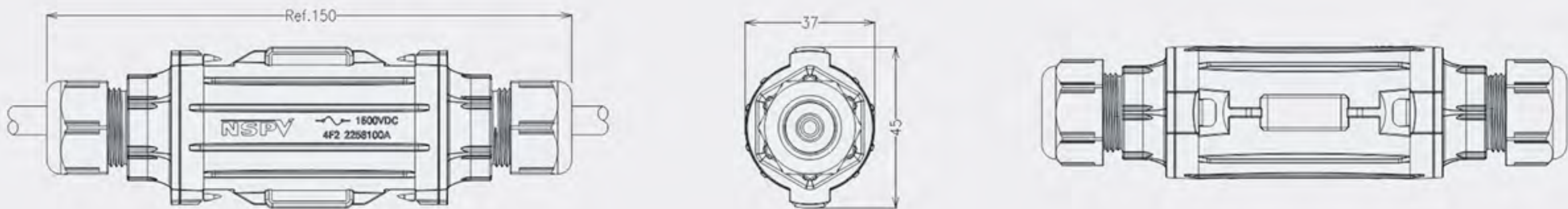


# 光伏4.0保险丝连接器1500V DC (2258)

## PV 4.0 FUSE CONNECTOR 1500V DC (2258)

本系列保险丝适用于额定电压达1500V、额定电流达100A的太阳能光伏发电系统。

This series of fuses is suitable for solar photovoltaic power generation system, rated voltage up to 1500V, rated current up to 100A.



| 产品规格 Product Specifications                  |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| 绝缘材料<br>Insulation material                  | PC/PA                                                       |
| 额定电流 (不含保险丝)<br>Rated current (Without fuse) | 100A(With 25sqmm)                                           |
| 额定电压<br>Rated voltage                        | 1500VDC                                                     |
| 最大的测试电压(含保险丝)<br>Maximum voltage (With fuse) | 1575V                                                       |
| 连接器接触电阻<br>Contact resistance                | ≤ 0.25 mΩ                                                   |
| 金属导体材料<br>Contact material                   | 铜,镀锡<br>Copper,Tin plated                                   |
| 防护等级<br>Degree of protection                 | IP68                                                        |
| 产品颜色<br>Product color                        | 黑色/Black                                                    |
| 保险丝规格<br>Fuse Specification                  | 10A 15A 20A 25A 32A 35A 40A 50A<br>60A 65A 70A 75A 80A 100A |
| 阻燃等级<br>Flame class                          | UL94-V0                                                     |
| 安全等级<br>Safety degree                        | II                                                          |
| 符合标准<br>Regulatory approval                  | IEC60269/IEC60947                                           |
| 环境温度范围<br>Ambient temperature range          | -40°C...+85°C(IEC)                                          |
| 适配电线规格<br>Suitable cable cross sections      | 10~25mm <sup>2</sup>                                        |
| 适配保险丝尺寸 (mm)<br>Suitable for fuse size(mm)   | 25×58                                                       |
| 温度上限<br>Upper limiting temperature           | 110°C(IEC)                                                  |



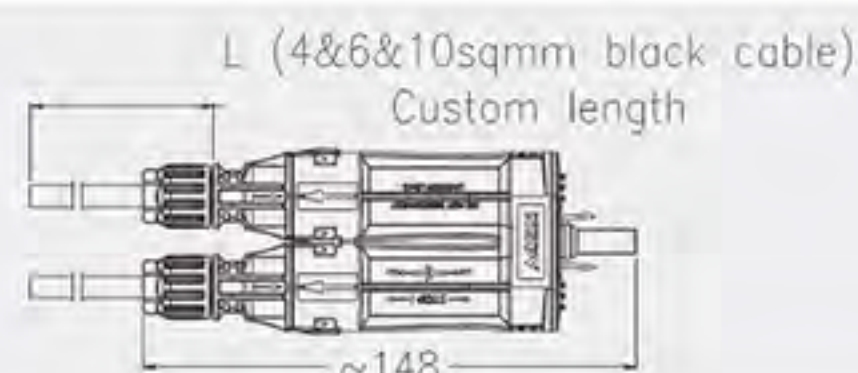


# 光伏4.0 2转1分支保险丝连接器 1500V DC

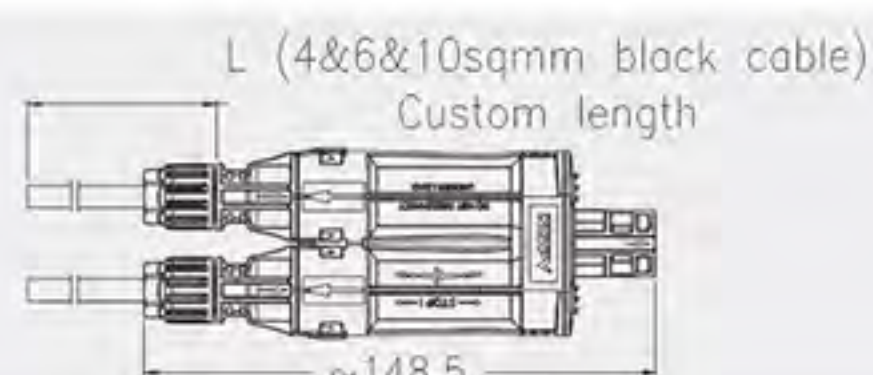
PV 4.0 2 TO 1 FUSE CONNECTOR 1500V DC



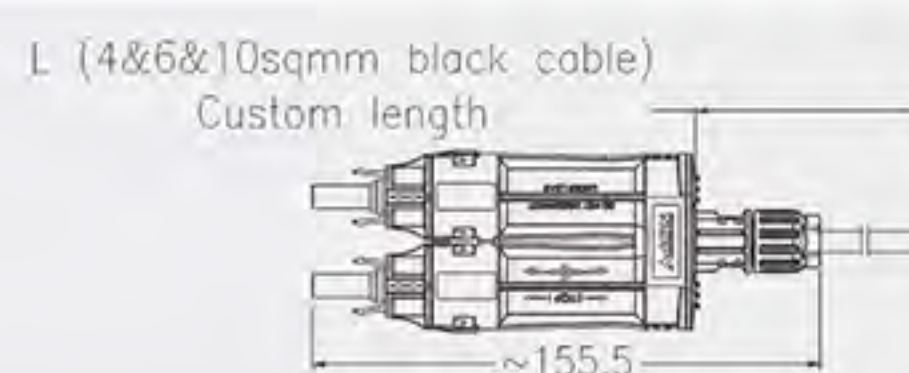
4FBCF\*\* -15



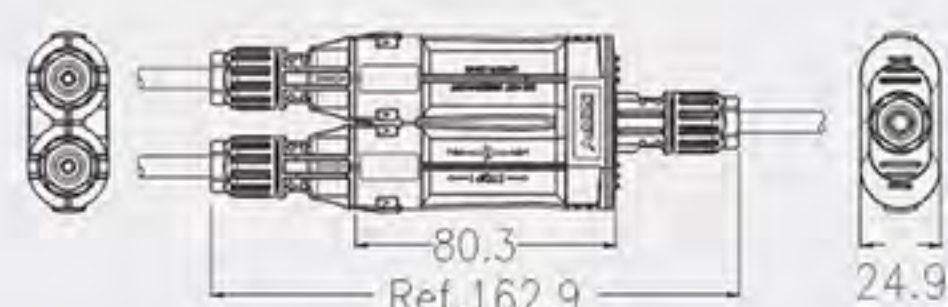
4FBCM\*\* -15



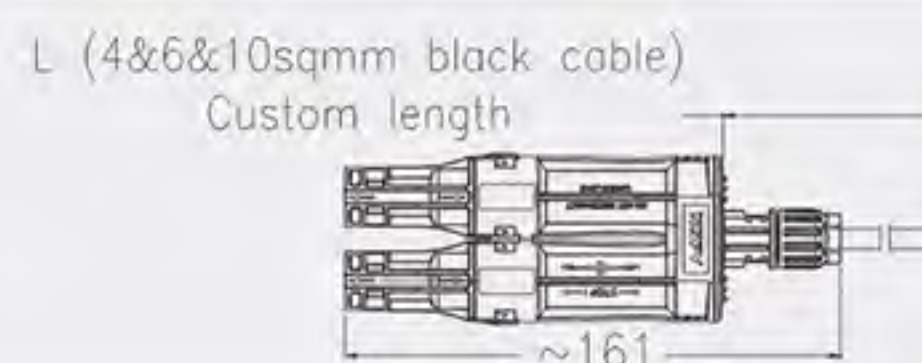
4FBFC\*\* -15



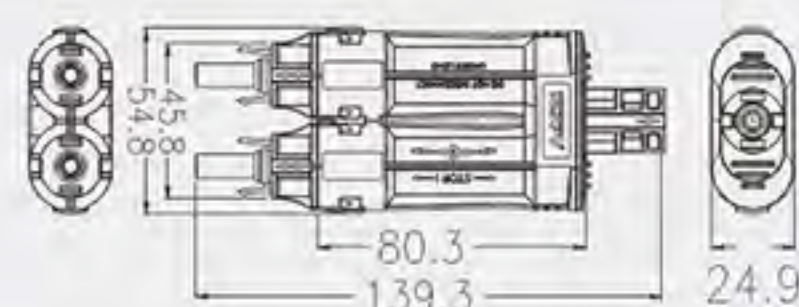
4FBCC\*\* -15



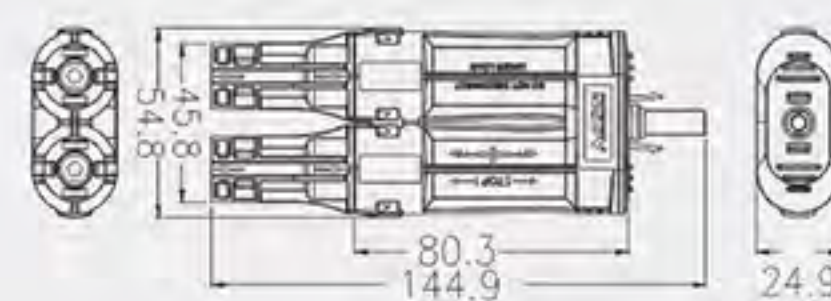
4FBMC\*\* -15



4FBFM\*\* -15



4FBMF\*\* -15



## 产品规格 Product Specifications

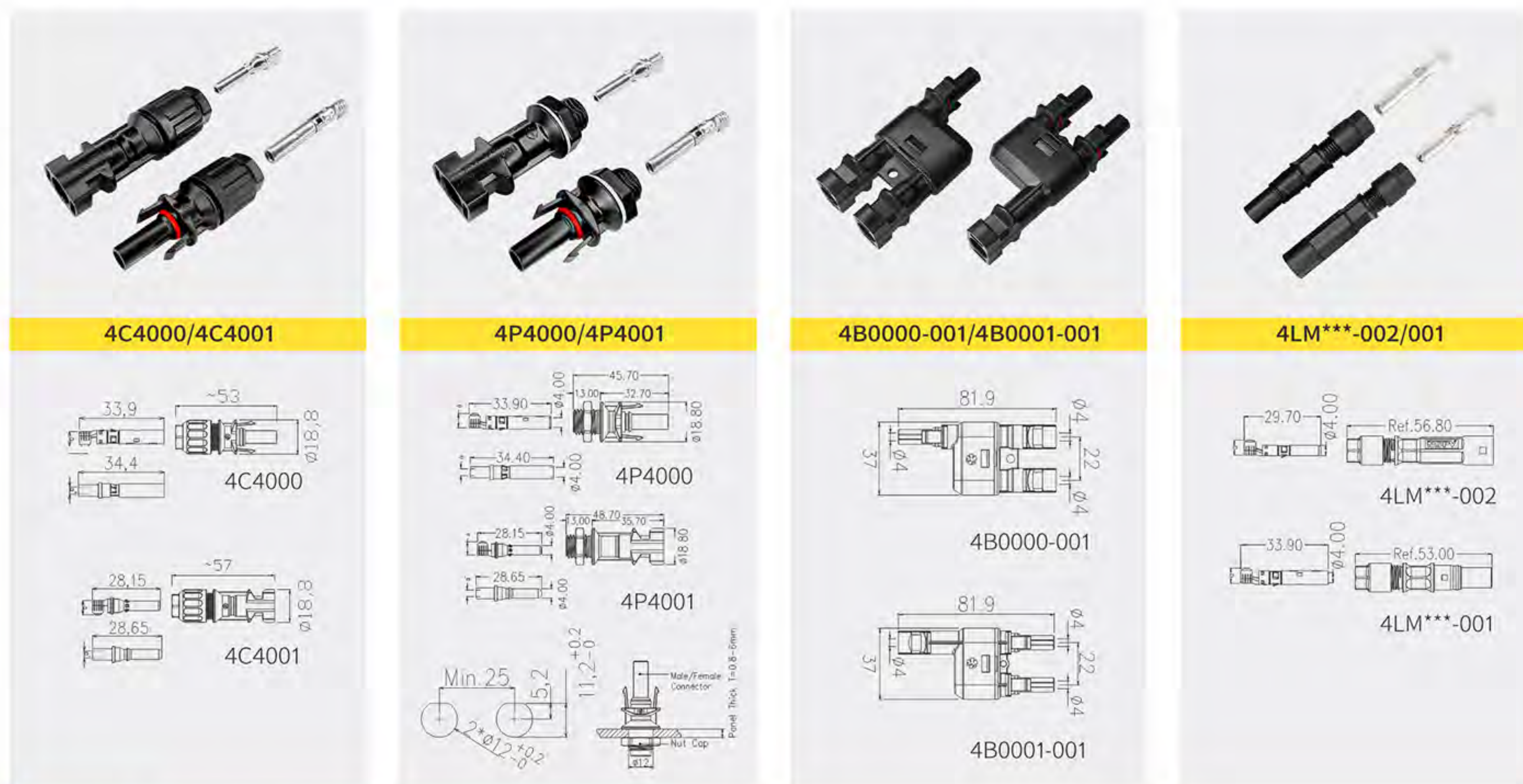
|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| 绝缘材料<br>Insulation material                  | PPE/PA                            |
| 额定电压<br>Rated voltage                        | 1500VDC                           |
| 额定电流 (不含保险丝)<br>Rated current (Without fuse) | Max. Input:30A<br>Max. Output:60A |
| 最大的测试电压<br>Maximum voltage                   | 8kV                               |
| 连接器接触电阻<br>Contact resistance                | ≤ 0.25 mΩ                         |
| 金属导体材料<br>Contact material                   | 铜,镀锡<br>Copper,Tin plated         |
| 防护等级<br>Degree of protection                 | IP68                              |
| 产品颜色<br>Product color                        | 黑色/Black                          |

|                                            |                                                                               |
|--------------------------------------------|-------------------------------------------------------------------------------|
| 保险丝规格<br>Fuse Specification                | 1A,2A,3A,3.5A,4A,5A,6A,8A,10A,12A,15A,<br>16A,20A,25A,30A,32A,35A,40A,45A,50A |
| 阻燃等级<br>Flame class                        | UL94-V0                                                                       |
| 安全等级<br>Safety degree                      | II                                                                            |
| 符合标准<br>Regulatory approval                | TUV/CE<br>(EN60269)                                                           |
| 环境温度范围<br>Ambient temperature range        | -40°C...+85°C(IEC)                                                            |
| 适配保险丝尺寸 (mm)<br>Suitable for fuse size(mm) | 10*85 or 10/14*85                                                             |
| 适配电线规格<br>Suitable cable cross sections    | 2.5-10mm <sup>2</sup> /14-8AWG                                                |
| 温度上限<br>Upper limiting temperature         | 110°C(IEC)                                                                    |



# 光伏4.0连接器1000V DC

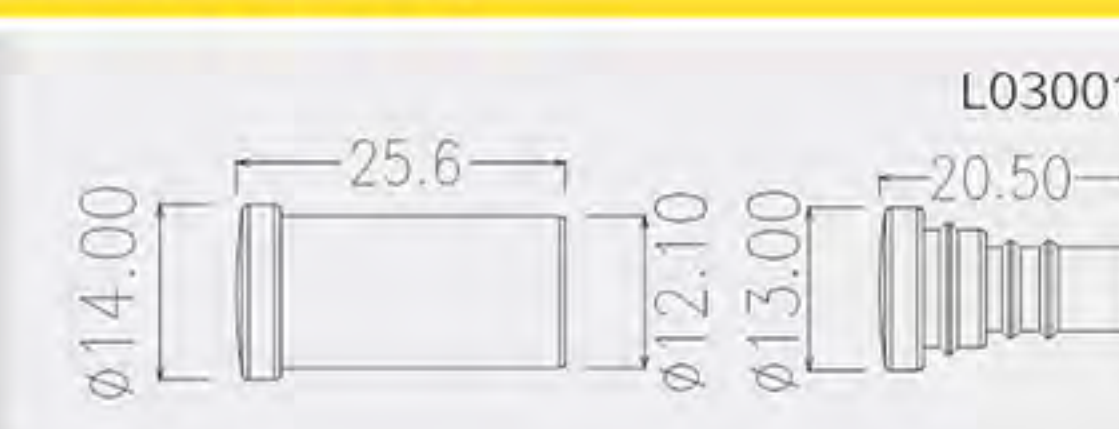
## PV 4.0 CABLE CONNECTOR 1000V DC



### 产品规格 Product Specifications

|                              |                           |                                             |                                |
|------------------------------|---------------------------|---------------------------------------------|--------------------------------|
| 绝缘材料<br>Insulation material  | PPE/PA                    | 阻燃等级<br>Flame class                         | UL94-V0                        |
| 额定电流<br>Rated current        | 30A                       | 温度上限<br>Upper limiting temperature          | 110°C(IEC)                     |
| 额定电压<br>Rated voltage        | 1000V DC                  | 产品认证<br>Certificate                         | TUV                            |
| 测试电压<br>Test voltage         | 6kV(50Hz,1min)            | 连接方式<br>Connection mode                     | 压接/Crimp connection            |
| 接触电阻<br>Contact resistance   | ≤ 0.25 mΩ                 | 环境温度范围<br>Ambient temperature range         | -40°C...+85°C(IEC)             |
| 导体材料<br>Contact material     | 铜,镀锡<br>Copper,Tin plated | 适配电线规格<br>Suitable cable cross sections     | 2.5~6mm <sup>2</sup> /14~10AWG |
| 防护等级<br>Degree of protection | IP67                      | 拔出力/插入力<br>Withdrawal force/Insertion force | ≥50N/≤50N                      |
| 安全等级<br>Safety degree        | II                        | 产品颜色<br>Product color                       | 黑色/Black                       |

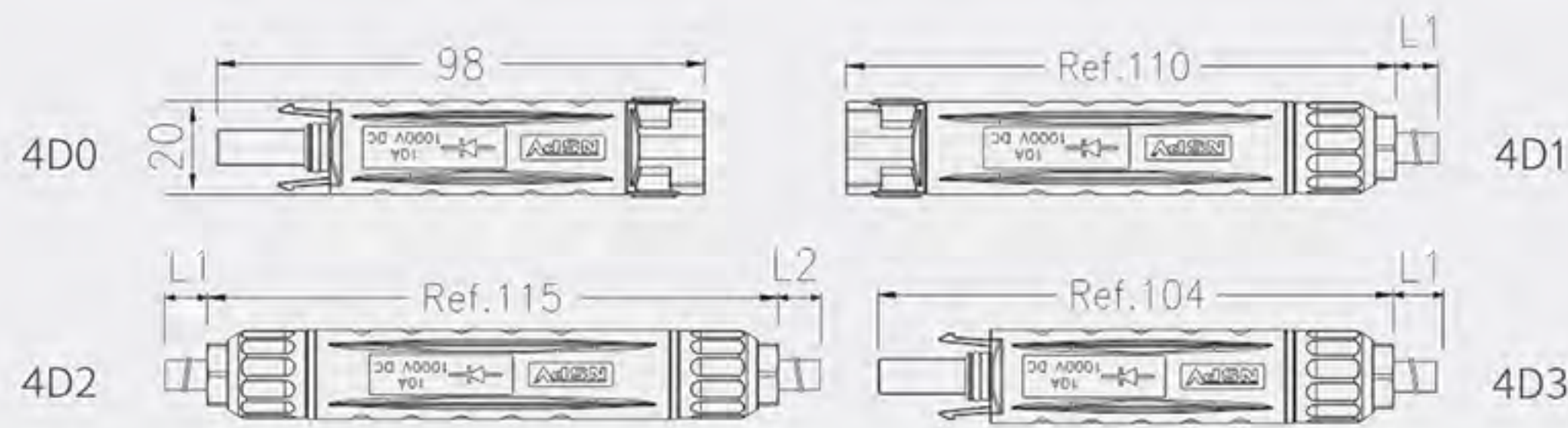
### 连接器防尘盖 Connector End Cap

|                                                                                     |                                                                                      |                                  |                                             |               |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|---------------|
|  |  |                                  | 料号 Part Number                              | L03001/L03002 |
|                                                                                     |  |                                  | 颜色 Color                                    | Black         |
|                                                                                     |                                                                                      | 绝缘材料 Insulation material         | EPDM                                        |               |
|                                                                                     |                                                                                      | 安全等级 Safety degree               | II                                          |               |
|                                                                                     |                                                                                      | 燃烧等级 Flame class                 | UL94-V0                                     |               |
|                                                                                     |                                                                                      | 环境温度范围 Ambient temperature range | -40°C until + 90°C                          |               |
|                                                                                     |                                                                                      | 合适电缆连接器 Suitable cable connector | PV4.0 Connector<br>Compatible MC4 Connector |               |



# 光伏4.0二极管连接器1000V DC

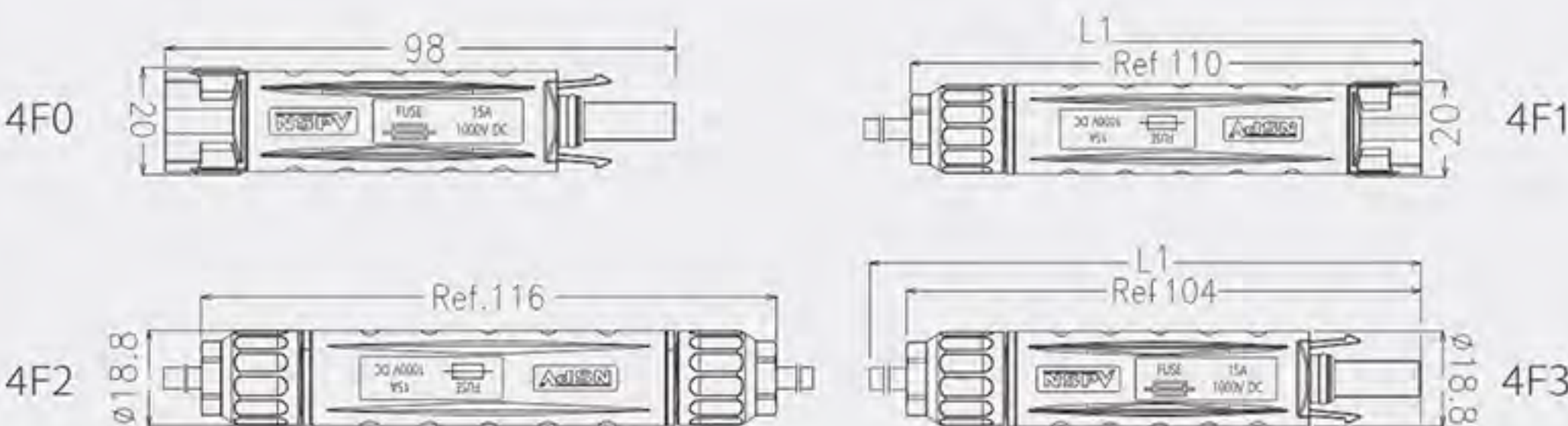
PV 4.0 DIODE CONNECTOR 1000V DC



| 产品规格 Product Specifications                   |                               |                                               |                        |
|-----------------------------------------------|-------------------------------|-----------------------------------------------|------------------------|
| 绝缘材料<br>Insulation material                   | PPE/PA                        | 安全等级<br>Safety degree                         | II                     |
| 额定电压<br>Rated voltage                         | 1000VDC                       | 阻燃等级<br>Flame class                           | UL94-V0                |
| 额定电流(含二极管)<br>Rated current (With Diode)      | 10A (Diode Rated Current 15A) | 插入力/拔出力<br>Insertion force/Withdrawal force   | ≤50N/≥50N              |
| 额定电流 (不含二极管)<br>Rated current (Without diode) | 30A                           | 过压等级<br>Overvoltage category/Pollution degree | CATIII/2               |
| 连接器接触电阻<br>Contact resistance                 | ≤ 0.25 mΩ                     | 环境温度范围<br>Ambient temperature range           | -40°C...+85°C(IEC)     |
| 测试电压<br>Test voltage                          | 6kV(50Hz,Imin)                | 连接方式<br>Connection mode                       | 压接<br>Crimp connection |
| 金属导体材料<br>Contact material                    | 铜,镀锡<br>Copper,Tin plated     | 适配电线规格<br>Suitable cable cross sections       | 2.5~6mm²/14~10AWG      |
| 防护等级<br>Degree of protection                  | IP67                          | 温度上限<br>Upper limiting temperature            | 110°C(IEC)             |

# 光伏4.0保险丝连接器1000V DC

PV 4.0 FUSE CONNECTOR 1000V DC



| 产品规格 Product Specifications             |                                             |                                               |                        |
|-----------------------------------------|---------------------------------------------|-----------------------------------------------|------------------------|
| 绝缘材料<br>Insulation material             | PPE/PA                                      | 安全等级<br>Safety degree                         | II                     |
| 额定电压<br>Rated voltage                   | 1000VDC                                     | 阻燃等级<br>Flame class                           | UL94-V0                |
| 额定电流<br>Rated current                   | 30A                                         | 插入力/拔出力<br>Insertion force/Withdrawal force   | ≤50N/≥50N              |
| 额定电流(含保险丝)<br>Rated current (With fuse) | 1A,2A,3.5A,4A,5A,8A,10A,12A,15A,20A,25A,30A | 过压等级<br>Overvoltage category/Pollution degree | CATIII/2               |
| 测试电压<br>Test voltage                    | 6kV(50Hz,Imin)                              | 环境温度范围<br>Ambient temperature range           | -40°C...+85°C(IEC)     |
| 连接器接触电阻<br>Contact resistance           | ≤ 0.25 mΩ                                   | 连接方式<br>Connection mode                       | 压接<br>Crimp connection |
| 金属导体材料<br>Contact material              | 铜,镀锡<br>Copper,Tin plated                   | 适配电线规格<br>Suitable cable cross sections       | 2.5~6mm²/14~10AWG      |
| 防护等级<br>Degree of protection            | IP67                                        | 温度上限<br>Upper limiting temperature            | 110°C(IEC)             |

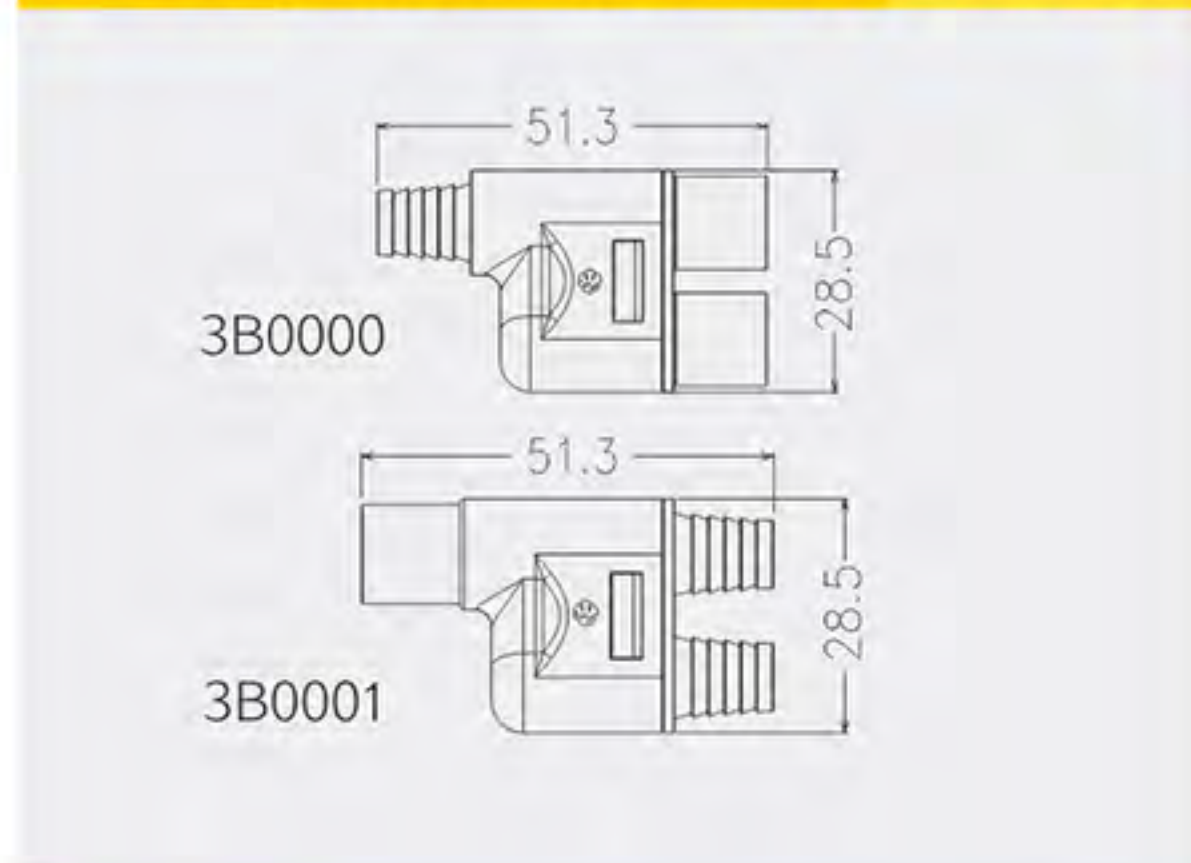


# 光伏3.0连接器1000V DC

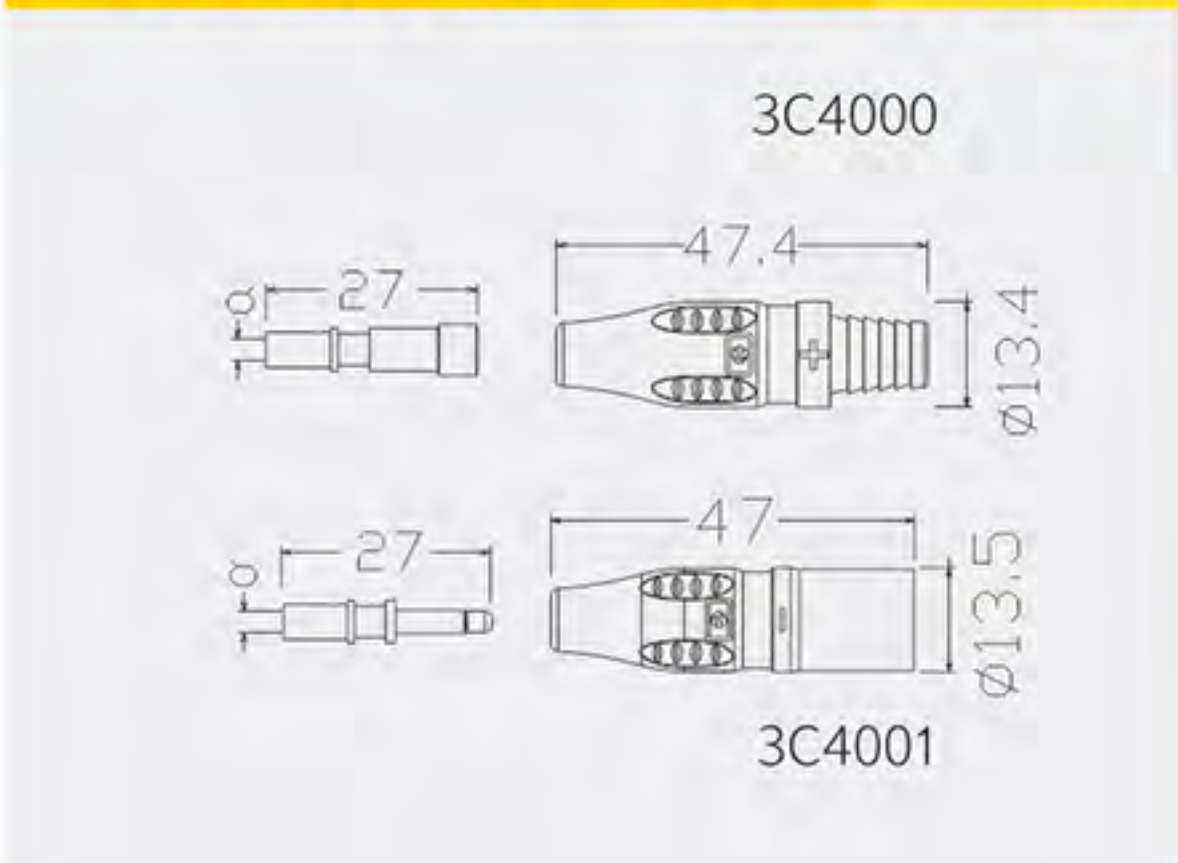
PV 3.0 CONNECTOR 1000V DC



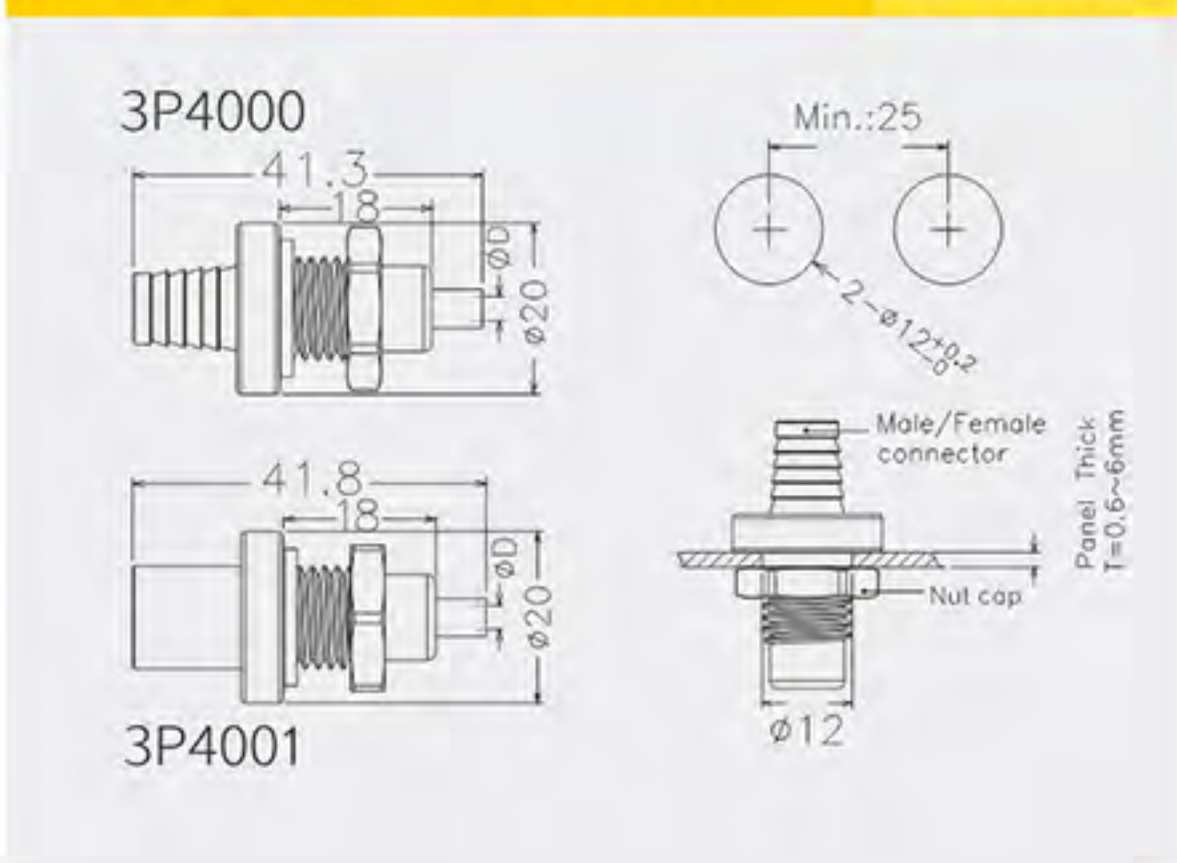
2转1连接器/2to1 Branch connector 3B0000/01



线端连接器/Cable connector 3C4000/01



面板连接器/Panel connector 3P4000/01



## 产品规格 Product Specifications

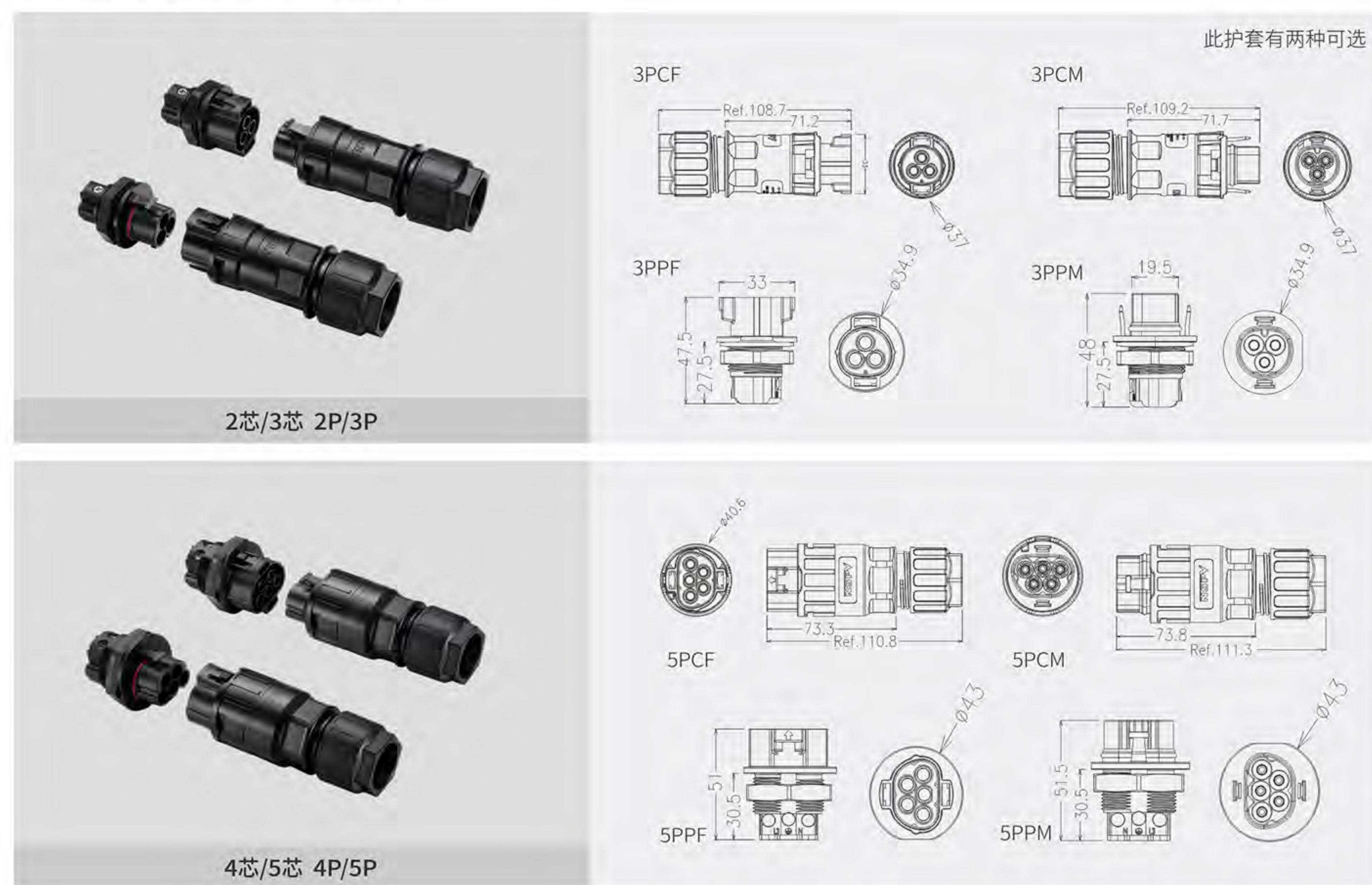
|                                               |                           |                                         |                    |
|-----------------------------------------------|---------------------------|-----------------------------------------|--------------------|
| 绝缘材料<br>Insulation material                   | PPE/TPV/PA                | 安全等级<br>Safety degree                   | II                 |
| 额定电压<br>Rated voltage                         | 1000V DC                  | 阻燃等级<br>Flame class                     | UL94-V0            |
| 测试电压<br>Test voltage                          | 6KV(50Hz,Imin)            | 插入力<br>Insertion force                  | ≤50N               |
| 额定电流<br>Rated current                         | 30A                       | 拔出力<br>Withdrawal force                 | ≥50N               |
| 连接器接触电阻<br>Contact resistance                 | ≤ 0.25 mΩ                 | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC) |
| 金属导体材料<br>Contact material                    | 铜,镀锡<br>Copper,Tin plated | 温度上限<br>Upper limiting temperature      | 110°C(IEC)         |
| 防护等级<br>Degree of protection                  | IP67                      | 适配电线规格<br>Suitable cable cross sections | 2.5~6mm²/14~10AWG  |
| 过压等级<br>Overvoltage category/Pollution degree | CATIII/2                  | 端子尺寸<br>Pin dimensions                  | Φ3.0               |





# 光伏AC连接器 II

## PV AC CONNECTOR II



| 产品规格 Product Specifications                     | 2P/3P                               | 4P/5P                               |
|-------------------------------------------------|-------------------------------------|-------------------------------------|
| 绝缘材料 Insulation material                        | PPE/PC/PA                           | PPE/PC/PA                           |
| 额定电压 Rated voltage                              | 500V AC                             | 500V AC                             |
| 额定电流 Rated current                              | Max.50A(10sqmm)                     | Max.50A(10sqmm)                     |
| 测试电压 Test voltage                               | 4KV                                 | 4KV                                 |
| 连接器接触电阻 Contact resistance                      | ≤ 0.25 mΩ                           | ≤ 0.25 mΩ                           |
| 金属导体材料 Contact material                         | 铜,镀银<br>Copper,silver plated        | 铜,镀银<br>Copper,silver plated        |
| 防护等级 Degree of protection                       | IP68                                | IP68                                |
| 产品颜色 Product color                              | 黑色/Black                            | 黑色/Black                            |
| 安全等级 Safety degree                              | II                                  | II                                  |
| 阻燃等级 Flame class                                | UL94-V0                             | UL94-V0                             |
| 绝缘电阻 Insulation resistance                      | ≥1000 MΩ                            | ≥1000 MΩ                            |
| 电线最大外径 Suitable cable OD Max.                   | Φ21mm                               | Φ21mm                               |
| 环境温度范围 Ambient temperature range                | -40℃...+85℃(IEC)                    | -40℃...+85℃(IEC)                    |
| 连接方式 Connection mode                            | 锁/铆接方式<br>Screw/crimping connection | 锁/铆接方式<br>Screw/crimping connection |
| 连接端子的直径及数量 Diameter and numbers of contact pins | Ø4.0x2/3                            | Ø4.0x4/5                            |
| 适配电线规格 Suitable cable cross sections            | 2.5~10mm <sup>2</sup> /14~8AWG      | 2.5~10mm <sup>2</sup> /14~8AWG      |

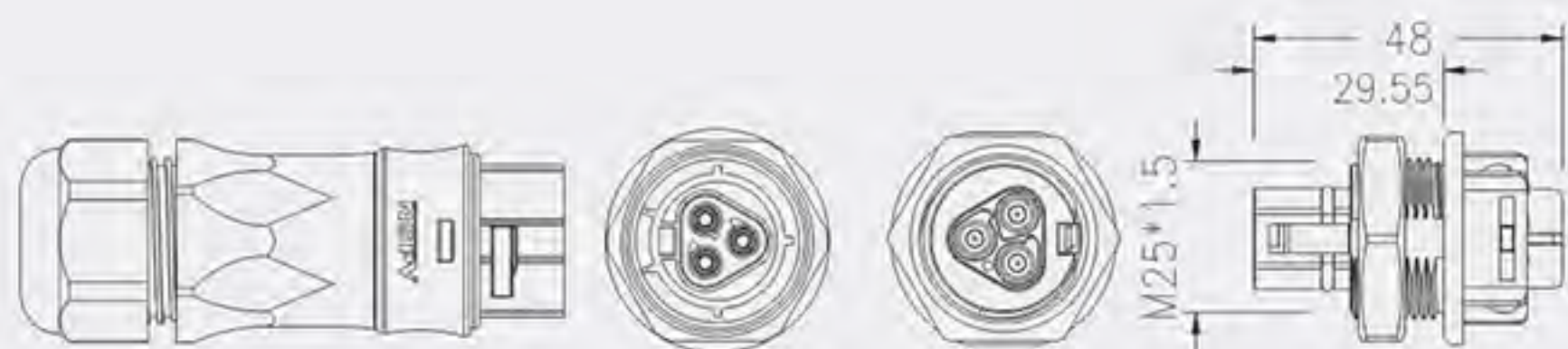


# 光伏AC连接器 I

## PV AC CONNECTOR I



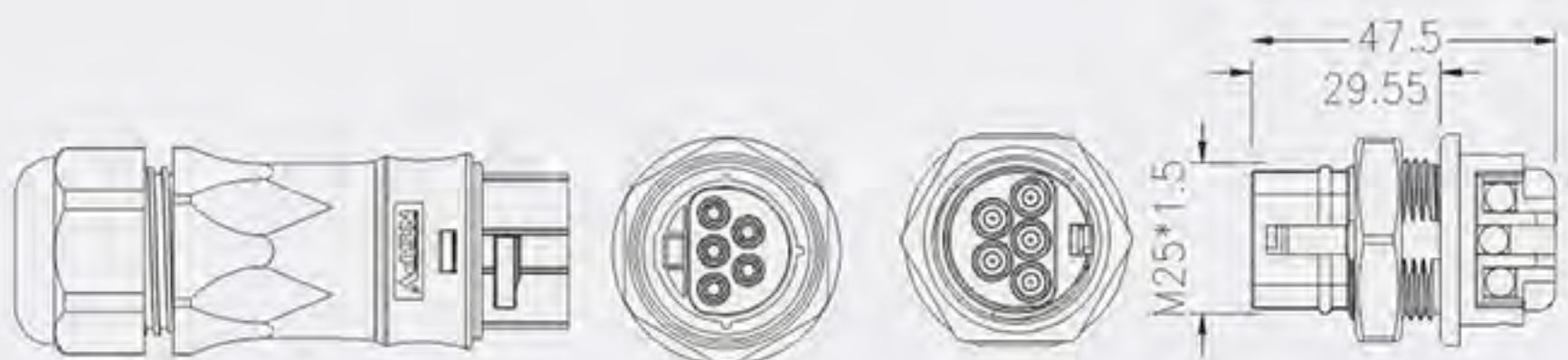
2芯/3芯 2C/3C



此护套有长中短三款      3PCF1-6      3PCM1-6      3PPM1-6



4芯/5芯 4C/5C



此护套有长中短三款      5PCF1-6      5PCM1-6      5PPM1-6

| 产品规格 Product Specifications                     | 2C/3C                               | 4C/5C                               |
|-------------------------------------------------|-------------------------------------|-------------------------------------|
| 绝缘材料 Insulation material                        | PPE/PC/PA                           | PPE/PC/PA                           |
| 额定电压 Rated voltage                              | 500V AC                             | 500V AC                             |
| 额定电流 Rated current                              | Max.35A(6sqmm)                      | Max.40A(6sqmm)                      |
| 测试电压 Test voltage                               | 4KV                                 | 4KV                                 |
| 连接器接触电阻 Contact resistance                      | ≤ 0.25 mΩ                           | ≤ 0.25 mΩ                           |
| 金属导体材料 Contact material                         | 铜,镀银<br>Copper,silver plated        | 铜,镀银<br>Copper,silver plated        |
| 防护等级 Degree of protection                       | IP67                                | IP67                                |
| 产品颜色 Product color                              | 黑色/Black                            | 黑色/Black                            |
| 安全等级 Safety degree                              | II                                  | II                                  |
| 阻燃等级 Flame class                                | UL94-V0                             | UL94-V0                             |
| 绝缘电阻 Insulation resistance                      | ≥1000 MΩ                            | ≥1000 MΩ                            |
| 电线最大外径 Suitable cable OD Max.                   | Φ21mm                               | Φ21mm                               |
| 环境温度范围 Ambient temperature range                | -40°C...+85°C(IEC)                  | -40°C...+85°C(IEC)                  |
| 连接方式 Connection mode                            | 锁/铆接方式<br>Screw/crimping connection | 锁/铆接方式<br>Screw/crimping connection |
| 连接端子的直径及数量 Diameter and numbers of contact pins | Ø2.6x2/3                            | Ø2.6x4/5                            |
| 适配电线规格 Suitable cable cross sections            | 2.5~6mm <sup>2</sup> /14~10AWG      | 2.5~6mm <sup>2</sup> /14~10AWG      |



# 光伏直流电线1000V DC

## SOLAR DC CABLE 1000V DC

- XLPE flame retardant material  
采用XLPE阻燃材料
- Tinned Oxygen-free Copper Wire  
镀锡无氧铜丝 真材实料
- Even insulation thickness, low eccentricity  
绝缘厚度均匀 低偏心率
- UV resistant and high temperature resistant  
抗紫外线耐高温
- Certified by TUV  
通过TUV认证



| 产品参数 Product parameters                  |                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------|
| 导体材料<br>Conductor material               | 镀锡退火软铜绞线<br>Soft annealed stranded tin-plated copper                          |
| 绝缘材料<br>Insulation material              | 交联聚烯烃<br>Electron beam cross-linked material(XLPE)                            |
| 护套材质<br>Jacket material                  | 交联聚烯烃<br>Electron beam cross-linked material(XLPE)                            |
| 参考标准<br>Applicable Standard              | 2PFG 1169/08.2007                                                             |
| 印字标识<br>Identification Mark              | TüV 2 PfG 1169 PV1-F 1X**mm <sup>2</sup><br>NSPV NewSun PV Technology Co.,Ltd |
| 成品电缆耐压<br>Voltage test of finished cable | AC 6.5KV 5min, or DC 1.5KV 5min<br>不击穿 No break                               |

| 产品规格 Specifications |                 |                  |
|---------------------|-----------------|------------------|
| 单芯<br>Single core   | 双芯<br>Dual-core | 三芯<br>Three-core |
|                     |                 |                  |

| 导体Conductor                      |                         | 护套Jacket           |                                 | 导体电阻<br>Conductor Resistance |
|----------------------------------|-------------------------|--------------------|---------------------------------|------------------------------|
| 面积<br>Area.(mm <sup>2</sup> )    | 绞线外径<br>Stranded OD(mm) | 外径<br>Diameter(mm) | 颜色<br>Color                     | Max. (Ω/KM)<br>(at 20℃)      |
| 2.5                              | 1.93                    | 5.40±0.2           | Black/red                       | 8.21                         |
| 4                                | 2.46                    | 5.50±0.2           |                                 | 5.09                         |
| 6                                | 3.01                    | 6.10±0.2           |                                 | 3.39                         |
| 10                               | 4                       | 7.20±0.2           |                                 | 1.95                         |
| 额定电压/Rated voltage               |                         | V                  | 1000VDC                         |                              |
| 工作环境/Ambient temperature         |                         | ℃                  | -40~+90                         |                              |
| 最大导体温度/Max.conductor temperature |                         | ℃                  | +120                            |                              |
| 短路电流温度/Short circuit temperature |                         | ℃                  | +200(at the conductor max.5sec) |                              |



# 光伏直流电线1500V DC

## SOLAR DC CABLE 1500V DC

- Low smoke and halogen free with XLPE flame retardant material  
采用XLPE阻燃材料 低烟无卤
- Tinned Oxygen-free Copper Wire  
镀锡无氧铜丝 真材实料
- Even insulation thickness, low eccentricity  
绝缘厚度均匀 低偏心率
- UV resistant and high temperature resistant  
抗紫外线耐高温
- Certified by TUV  
通过TUV认证



| 产品参数 Product parameters                  |                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 导体材料<br>Conductor material               | 镀锡退火软铜绞线<br>Soft annealed stranded tin-plated copper                                                      |
| 绝缘材料<br>Insulation material              | 交联聚烯烃<br>Electron beam cross-linked material(XLPE)                                                        |
| 护套材质<br>Jacket material                  | 交联聚烯烃<br>Electron beam cross-linked material(XLPE)                                                        |
| 参考标准<br>Applicable Standard              | 62930 IEC 131                                                                                             |
| 印字标识<br>Identification Mark              | TUV 62930 IEC 131 HALOGEN FREE LOW SMOKE 1X**mm <sup>2</sup><br>1500VDC NSPV NewSun PV Technology Co.,Ltd |
| 成品电缆耐压<br>Voltage test of finished cable | AC 6.5KV 5min,or DC 1.5KV 5min<br>不击穿 No break                                                            |

| 产品规格 Specifications |                 |                  |
|---------------------|-----------------|------------------|
| 单芯<br>Single core   | 双芯<br>Dual-core | 三芯<br>Three-core |
|                     |                 |                  |

| 导体Conductor                      |                         | 护套Jacket           |                                 | 导体电阻<br>Conductor Resistance |
|----------------------------------|-------------------------|--------------------|---------------------------------|------------------------------|
| 面积<br>Area.(mm²)                 | 绞线外径<br>Stranded OD(mm) | 外径<br>Diameter(mm) | 颜色<br>Color                     | Max. (Ω/KM)<br>(at 20℃)      |
| 2.5                              | 1.93                    | 5.2±0.2            | Black/red                       | 8.21                         |
| 4                                | 2.46                    | 5.5±0.2            |                                 | 5.09                         |
| 6                                | 3.01                    | 6.1±0.2            |                                 | 3.39                         |
| 10                               | 4                       | 7.8±0.2            |                                 | 1.95                         |
| 额定电压/Rated voltage               |                         | V                  | 1500VDC                         |                              |
| 工作环境/Ambient temperature         |                         | ℃                  | -40~+90                         |                              |
| 最大导体温度/Max.conductor temperature |                         | ℃                  | +120                            |                              |
| 短路电流温度/Short circuit temperature |                         | ℃                  | +200(at the conductor max.5sec) |                              |



交流电缆 (3芯)

AC CABLE (3 CORES)

- Flame retardant material

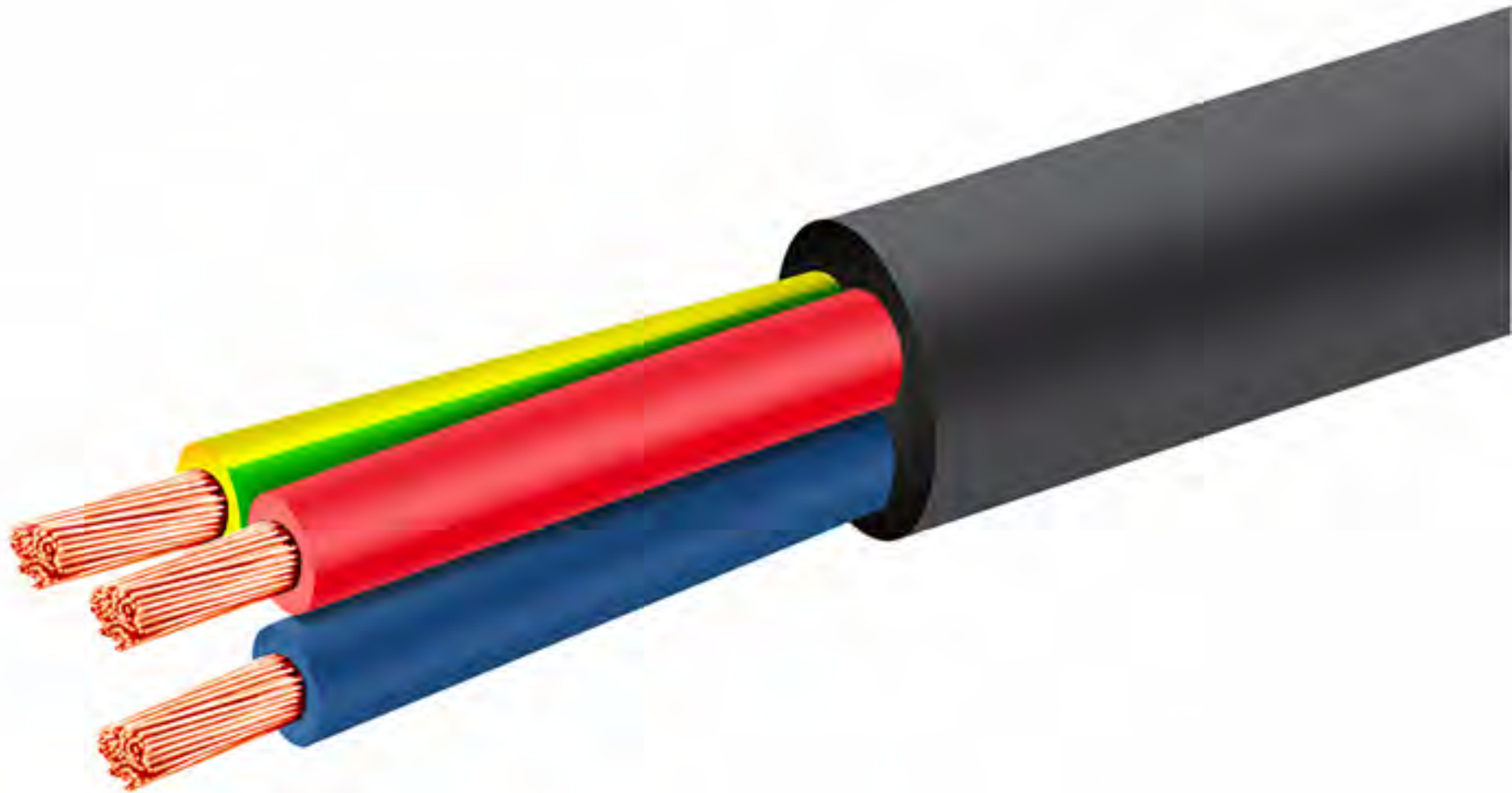
阻燃防火材料
- Oxygen free copper with high purity

高纯度无氧铜丝 真材实料
- Even insulation thickness, low eccentricity

绝缘厚度均匀 低偏心率
- UV resistant and high temperature resistant

抗紫外线耐高温
- Various specifications

多种规格可选



产品规格 Product Specifications

|                                       |           |
|---------------------------------------|-----------|
| 导体材料<br>Conductor material            | 铜/CU      |
| 绝缘材料<br>Insulation material           | EPDM      |
| 护套材质<br>Jacket material               | PVC       |
| 额定电压<br>Rated Voltage                 | 300/500V  |
| 整体尺寸 (毫米)<br>Overall dimension (mm)   | 6.4~15.5  |
| 导体尺寸 (毫米)<br>Conductor dimension (mm) | 1.13-3.10 |



| 项目 Item                                    |             | 单位 Unit | 详细内容 Details |                      |                      |                      |
|--------------------------------------------|-------------|---------|--------------|----------------------|----------------------|----------------------|
| 产品名称 Product's Name                        |             |         | RV0.75mm     | RV1.5mm <sup>2</sup> | RV2.5mm <sup>2</sup> | RV4.0mm <sup>2</sup> |
| 产品规格 Specification                         |             |         | 0.75mm2      | 1.5mm <sup>2</sup>   | 2.5mm <sup>2</sup>   | 4.0mm <sup>2</sup>   |
| 导体 Conductor                               | 材质 Material |         | CU           | CU                   | CU                   | CU                   |
|                                            | 材质 Material |         | PVC          | PVC                  | PVC                  | PVC                  |
| 护套 Jacket                                  | 外径 O.D.     | mm      | 2.4          | 3.1                  | 3.7                  | 4.5                  |
|                                            | 颜色 Color    |         | Black        | Black                | Black                | Black                |
| 额定电压 Rated Voltage                         |             | V       | 300/500      | 300/500              | 300/500              | 300/500              |
| 20℃导体最大电阻 Max. Conductor Resistance at 20℃ |             | Ω/km    | 26           | 13.3                 | 7.98                 | 5.09                 |

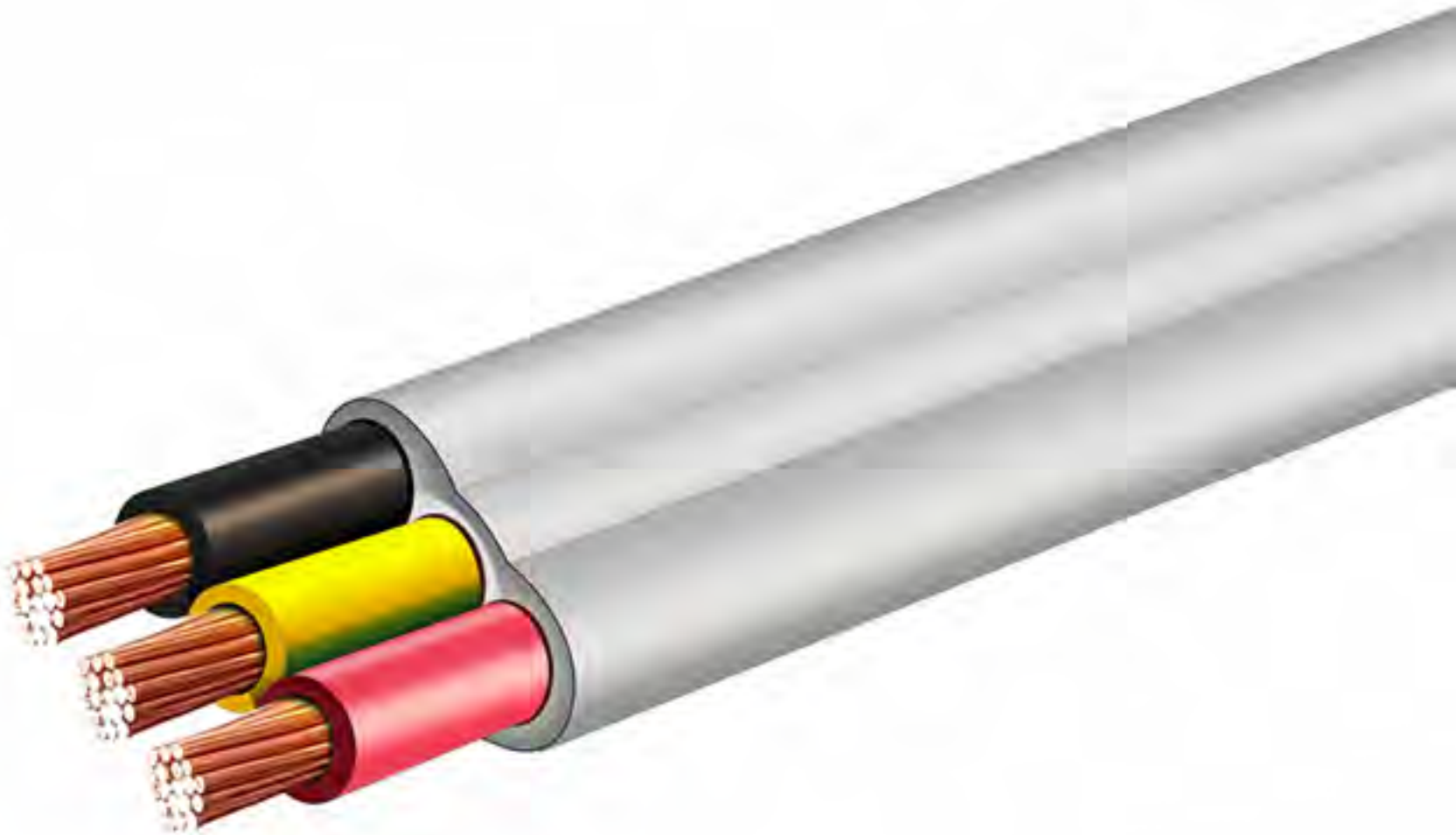




# 2C+E电缆

## 2C+ E CABLE

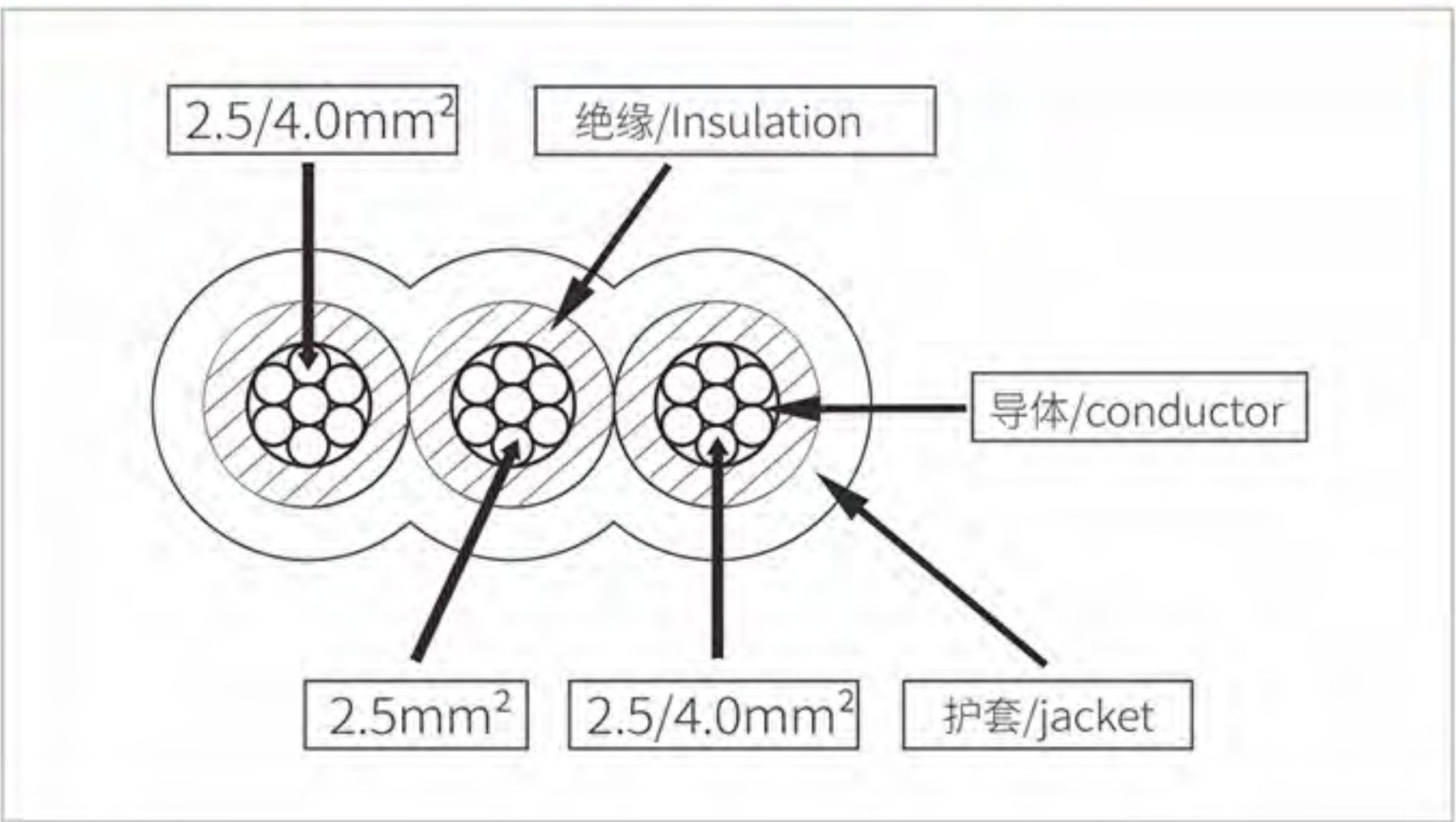
- Flame retardant material  
阻燃防火材料
- Oxygen free copper with high purity  
高纯度无氧铜丝 真材实料
- Even insulation thickness, low eccentricity  
绝缘厚度均匀 低偏心率
- UV resistant and high temperature resistant  
抗紫外线耐高温
- Various specifications  
多种规格可选



### 产品规格 Product Specifications

|                                                 |            |
|-------------------------------------------------|------------|
| 导体材料<br>Conductor material                      | 铜/CU       |
| 绝缘材料<br>Insulation material                     | PVC,V-90   |
| 护套材质<br>Jacket material                         | PVC,5V-90  |
| 额定电压<br>Rated Voltage                           | 450/750    |
| 额定温度<br>Rated Temperature                       | 90°C       |
| 20°C导体最大电阻<br>Max. Conductor Resistance at 20°C | ≤7.41 Ω/km |

### 产品结构示意图 Construction Drawing



# 太阳能接地电缆

## SOLAR EARTHING CABLE

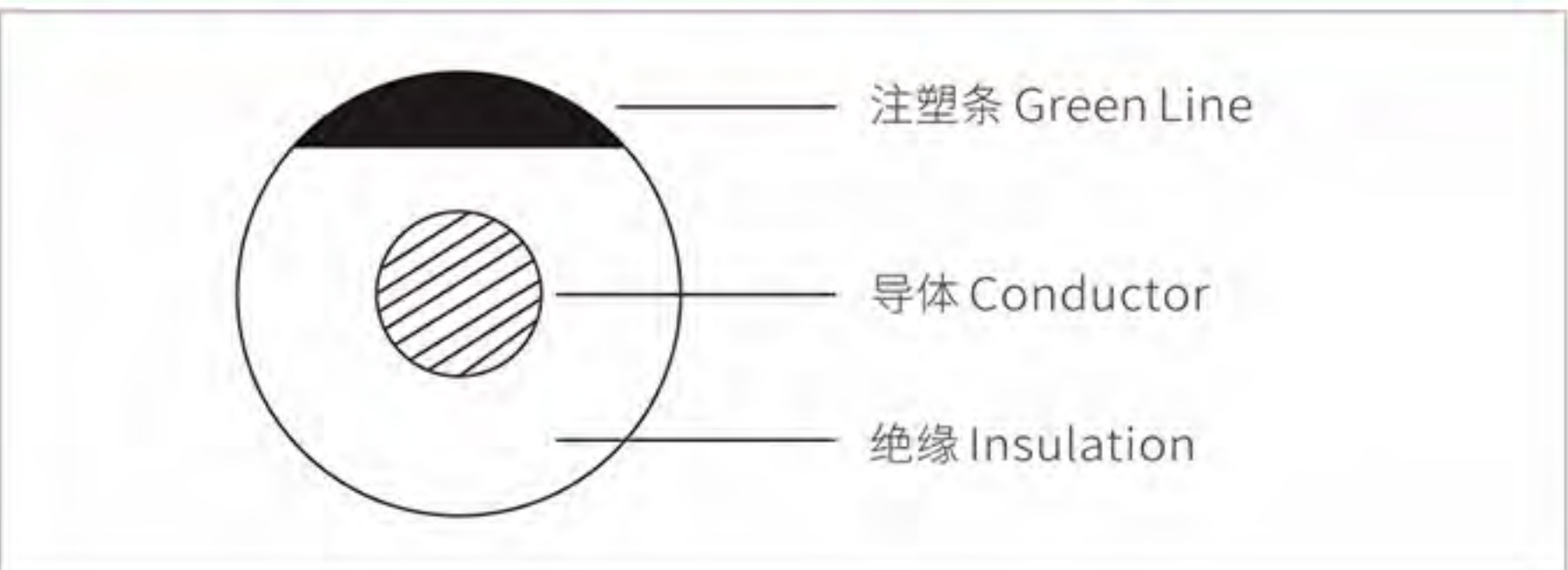
- High temperature resistance of PVC flame retardant material  
采用PVC阻燃材料 耐高温
- Oxygen free copper with high purity  
高纯度无氧铜丝 真实材料
- Even insulation thickness, low eccentricity  
绝缘厚度均匀 低偏心率
- Anti-aging, long life  
抗老化寿命长



### 产品规格 Product Specifications

|                               |                                 |
|-------------------------------|---------------------------------|
| 产品名称<br>Product name          | 太阳能接地电缆<br>Solar Earthing cable |
| 产品规格<br>Specification         | 4mm²x1C                         |
| 应用范围<br>Scope of application  | 电力/Electricity                  |
| 产品定制<br>Product customization | 支持/Support                      |

### 产品结构示意图 Construction Drawing





SOLAR CABLE HARNESS WITH FUSE

太阳能光伏保险丝线束

# 为您的光伏系统 保驾护航

Protect Your PV System

T型、Y型、十字形等  
各种类型可定制

Customizable

便捷更换保险丝  
节省成本易维护

Fast to replace inline fuse

Cost-saving and handy to maintain



抗紫外线  
UV resistant



耐高低温  
Heat-resistant



阻燃防火  
Fire resistant



防水IP68  
Waterproof IP68





# 光伏4.0线束带保险丝连接器

## PV 4.0 CABLE ASSEMBLIES WITH FUSE

- Customize to meet your needs  
按照要求定制线束
- Convenient to replace fuse  
便捷更换保险丝
- Waterproof IP68 rating  
防水等级达到IP68
- Protect your PV system with fast fusing  
快速熔断, 保护您的光伏系统
- Imported material, flame retardant and anti-UV  
进口材质, 阻燃抗UV, 使用更安全

### 产品规格 Product Specifications

|                                               |                                          |
|-----------------------------------------------|------------------------------------------|
| 绝缘材料<br>Insulation material                   | PPE/TPE/PA                               |
| 额定电压<br>Rated voltage                         | 1500VDC                                  |
| 额定脉冲电压<br>Rated Impulse voltage               | 12KV                                     |
| 测试电压<br>Test voltage                          | 8KV(50Hz,1min)                           |
| 连接器接触电阻<br>Contact resistance                 | ≤ 0.25 mΩ                                |
| 金属导体材料<br>Contact material                    | 铜,镀锡<br>Copper,Tin plated                |
| 防护等级<br>Degree of protection                  | IP68                                     |
| 过压等级<br>Overvoltage category/Pollution degree | CATIII/2                                 |
| 安全等级<br>Safety degree                         | II                                       |
| 阻燃等级<br>Flame class                           | UL94-V0                                  |
| 插入力/拔出力<br>Insertion force/Withdrawal force   | ≤50N/≥50N                                |
| 安装方式<br>Installation type                     | 户外, 抗紫外线(F1)<br>Outdoor,UV resistant(F1) |
| 环境温度范围<br>Ambient temperature range           | -40°C...+85°C(IEC)                       |
| 符合标准<br>Regulatory approval                   | TUV/CE (IEC62852:2014)                   |
| 适配电线规格<br>Suitable cable cross sections       | 1.5~10mm <sup>2</sup> /16~8AWG           |
| 温度上限<br>Upper limiting temperature            | 110°C(IEC)                               |



FFM YSSB44-004  
2转1 Y型带保险丝线束 (两母一公)



MMF YSSB44-003  
2转1 Y型带保险丝线束 (两公一母)



FFM YSSB44-006  
2转1 Y型带保险丝线束



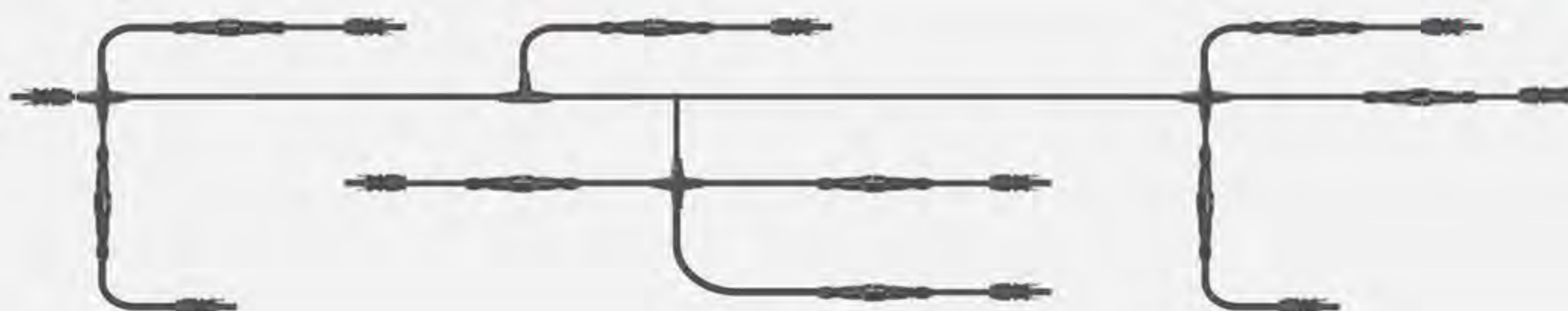
MMF YSSB44-005  
2转1 Y型带保险丝线束



MF Y4F24C-020  
直通型带保险丝线束



FFM TSSB44-004  
2转1 T型带保险丝线束





# 光伏线束 I

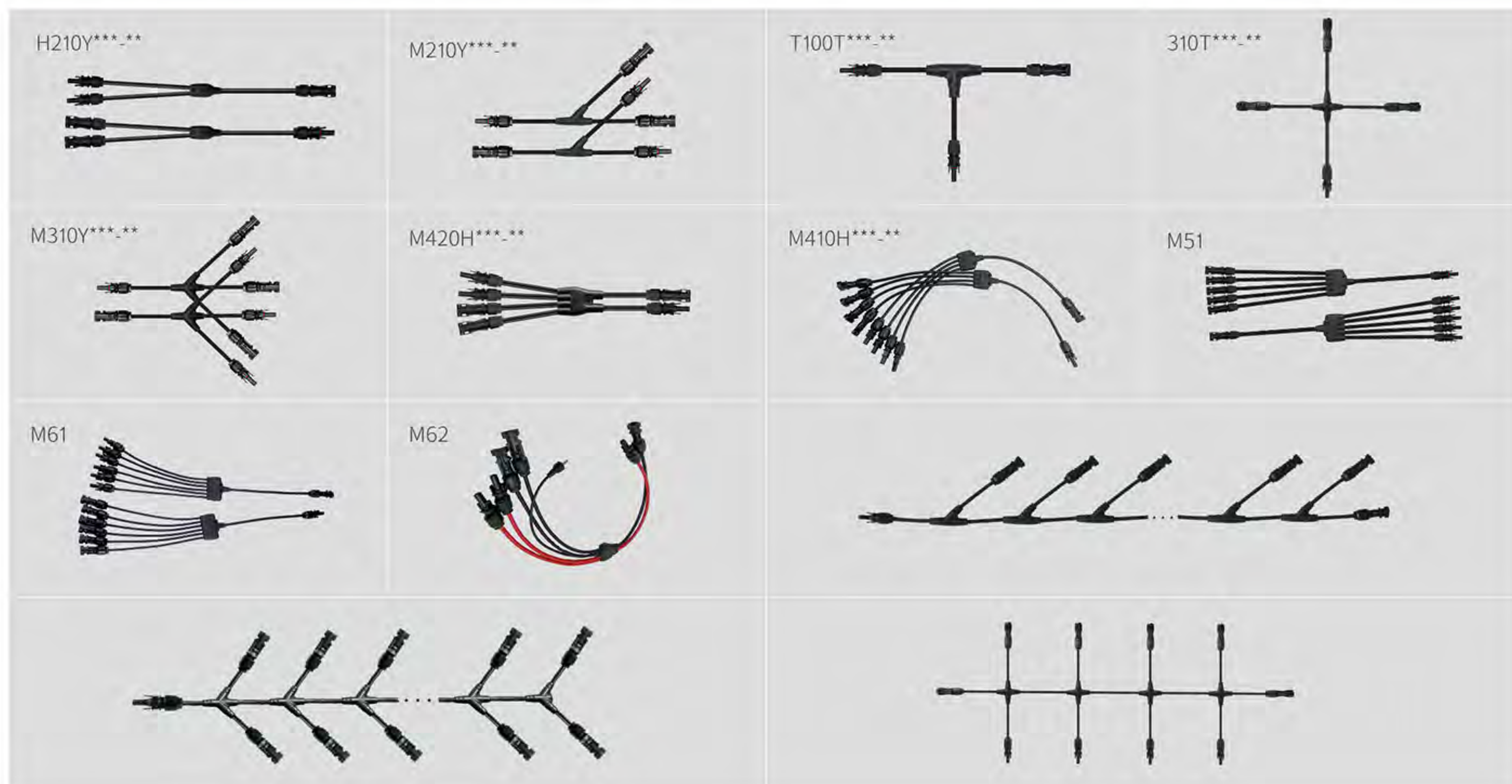
## PV CABLE ASSEMBLIES I

- Can be made according to your requirements  
可根据您的要求定制
- Weather resistant and UV resistant  
耐气候, 防紫外线 (抗UV)
- Certified by TUV, CE  
通过TUV/CE权威机构认证
- Multiple specifications to meet various needs  
各种规格齐全, 满足各种需求
- Use PV cable  
采用光伏专用线缆



### 产品规格 Product Specifications

|                                               |                           |                                             |                                |
|-----------------------------------------------|---------------------------|---------------------------------------------|--------------------------------|
| 绝缘材料<br>Insulation material                   | PPE/TPE/PA                | 阻燃等级<br>Flame class                         | UL94-V0                        |
| 额定电压<br>Rated voltage                         | 1000V/1500V               | 环境温度范围<br>Ambient temperature range         | -40°C...+85°C(IEC)             |
| 额定脉冲电压<br>Rated Impulse voltage               | 16KV                      | 温度上限<br>Upper limiting temperature          | 110°C(IEC)                     |
| 测试电压<br>Test voltage                          | 6KV/8KV (50Hz,1min)       | 插入力/拔出力<br>Insertion force/Withdrawal force | ≤50N/≥50N                      |
| 连接器接触电阻<br>Contact resistance                 | ≤ 0.25 mΩ                 | 安全等级<br>Safety degree                       | II                             |
| 金属导体材料<br>Contact material                    | 铜,镀锡<br>Copper,Tin plated | 线材绝缘材质<br>Cable insulation material         | XLPE                           |
| 防护等级<br>Degree of protection                  | IP67/IP68                 | 适配电线规格<br>Suitable cable cross sections     | 2.5~6mm <sup>2</sup> /14~10AWG |
| 过压等级<br>Overvoltage category/Pollution degree | CATIII/2                  | 电线导体材质<br>Cable conductor material          | 铜镀锡<br>Copper, tin plated      |





# 光伏线束 II

## PV CABLE ASSEMBLIES II

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| 电缆规格 Cable Cross Sections  | 1.5mm <sup>2</sup> /2.5mm <sup>2</sup> /4.0mm <sup>2</sup><br>6.0mm <sup>2</sup> (14AWG~10AWG) |
| 光伏电缆长度 PV Cable Length     | 按客户规定/Customized                                                                               |
| 光伏连接器 PV Connectors        | PV 3.0/ PV 4.0 Connectors                                                                      |
| 额定电压 Rated Voltage         | 1000V/1500V(TUV) 600V(UL)                                                                      |
| 额定电流 Rated Current         | 20A~30A                                                                                        |
| 导体材料 Contact Material      | 铜、镀锡/Copper, Tin Plated                                                                        |
| 使用温度 Operating Temperature | -40°C ~ +85°C                                                                                  |
| 电缆颜色 PV Cable Color        | 黑/红/黄/蓝Black /Red /Yellow / Blue                                                               |



### PV 4.0 电缆线束DC1000V/PV 4.0 Cable Assemblies DC1000V

|                |                |                |
|----------------|----------------|----------------|
| A40B4O-***<br> | A40B44-***<br> | A40B4U-***<br> |
| A40B4U-***<br> | A40B41-***<br> | A40B4O-***<br> |

### PV 3.0 电缆线束/PV 3.0 Cable Assemblies

|                |                |                |
|----------------|----------------|----------------|
| A40B3O-***<br> | A40B33-***<br> | A40B3U-***<br> |
| A40B3U-***<br> | A40B31-***<br> | A40B3U-***<br> |

### PV 4.0 电缆线束DC1500V/PV 4.0 Cable Assemblies DC1500V

|                  |                  |                  |
|------------------|------------------|------------------|
| A40B4O-15***<br> | A40B44-15***<br> | A40B4U-15***<br> |
| A40B4O15-***<br> | A40B41-15***<br> | A40B4U-15***<br> |



电 缆  
分 支

免剥皮  
快速安装

Cable branch

Fast to install without cutting the main cable



4进1出 4IN1

电线电缆绝缘穿刺线夹

4 IN 1 INSULATION PIERCING CONNECTOR



免剥皮



安全



快速



抗UV





# 4进1出绝缘穿刺线夹

## 4 IN 1 INSULATION PIERCING CONNECTOR

- Quick branched without cutting main cable  
免剥皮快速分支

■ Weather resistant and UV resistant  
耐气候, 防紫外线 (抗UV)

■ Waterproof IP67 rating  
防水等级达到IP67
- Flame retardant material  
采用阻燃材质

■ Patent product for utility models  
实用新型专利产品



| 产品规格 Product Specifications                   |                                                                      |                                     |                                          |
|-----------------------------------------------|----------------------------------------------------------------------|-------------------------------------|------------------------------------------|
| 产品型号<br>Product model                         | IPC4116120                                                           | 安装方式<br>Installation type           | 户外, 抗紫外线(F1)<br>Outdoor,UV resistant(F1) |
| 绝缘材料<br>Insulation material                   | PA+CU                                                                | 阻燃等级<br>Flame class                 | UL94-V0                                  |
| 额定电压<br>Rated voltage                         | 1500VDC/1000VAC                                                      | 安全等级<br>Safety degree               | II                                       |
| 适配电线规格<br>Suitable cable cross sections       | Tap:2.5~16mm <sup>2</sup> (OD Max.9.0)<br>Main:10-120mm <sup>2</sup> | 连接方式<br>Connection mode             | 锁接<br>Lock connection                    |
| 连接器接触电阻<br>Contact resistance                 | ≤ 5 mΩ                                                               | 环境温度范围<br>Ambient temperature range | -40°C...+85°C(IEC)                       |
| 金属导体材料<br>Contact material                    | 铜,镀锡<br>Copper,Tin plated                                            | 螺帽锁紧力<br>Nut cap locking force      | >12Nm                                    |
| 防护等级<br>Degree of protection                  | IP67                                                                 | 适用范围<br>Application                 | 电力站<br>Power station                     |
| Overvoltage category/Pollution degree<br>过压等级 | CATIII/2                                                             | 温度上限<br>Upper limiting temperature  | 110°C(IEC)                               |

| 产品尺寸 Product Size |  |
|-------------------|--|
|                   |  |





# 配件系列

## ACCESSORIES SERIES



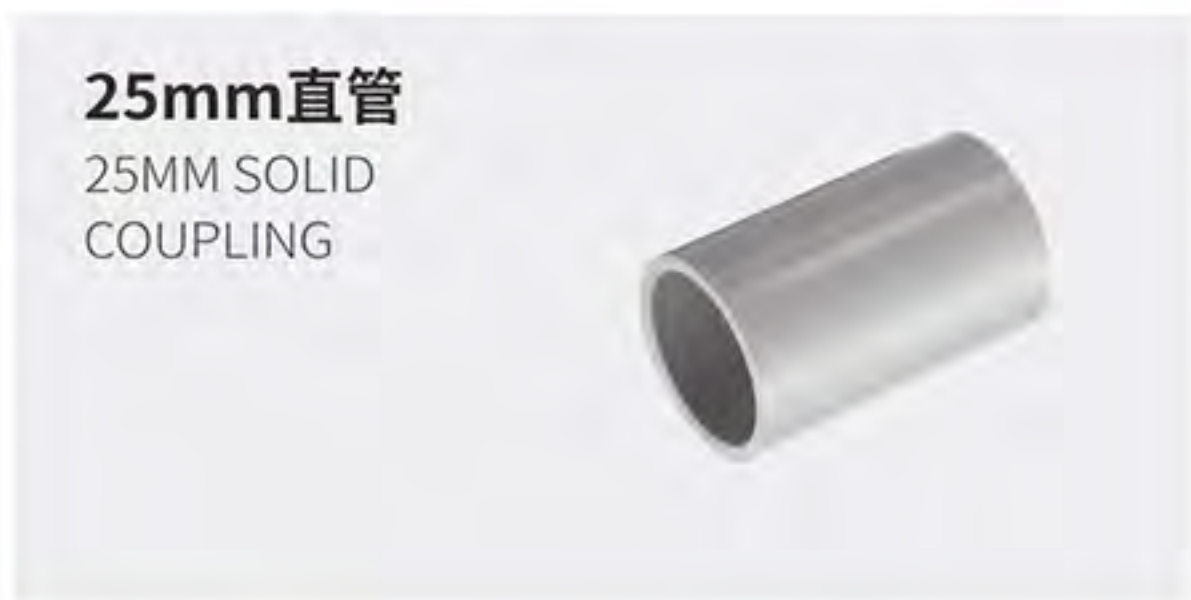
25mm波纹管-HD/MD 25MM CORRUGATED PIPE-HD/MD

|                                       |                    |                    |
|---------------------------------------|--------------------|--------------------|
| 材料<br>Material                        | PVC                | PVC                |
| 工作制类型<br>Duty type                    | 高密度<br>Heavy duty  | 中密度<br>Medium duty |
| 颜色<br>Colour                          | 橙色<br>Orange       | 灰色<br>Grey         |
| 工作温度范围<br>Operating temperature range | -15°C until + 60°C | -15°C until + 60°C |
| 内径尺寸<br>Inside Diameter               | 18.3mm             | 18.3mm             |
| 外径尺寸<br>Outside Diameter              | 25mm               | 25mm               |

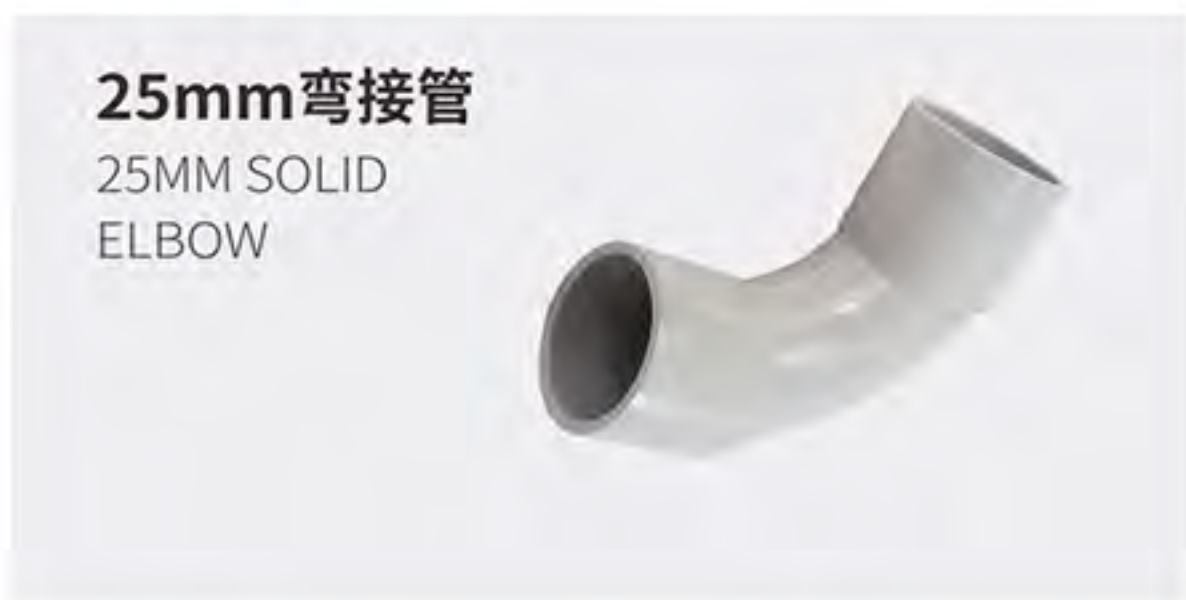


25mm UPVC电工管 UPVC ELECTRICAL CONDUIT 25MM MD

|                          |                    |                   |
|--------------------------|--------------------|-------------------|
| 材料<br>Material           | UPVC               | UPVC              |
| 硬度<br>Flexibility        | 硬管<br>Rigid        | 硬管<br>Rigid       |
| 工作制类型<br>Duty type       | 中密度<br>Medium duty | 高密度<br>Heavy duty |
| 颜色<br>Colour             | 灰色<br>Grey         | 橙色<br>Orange      |
| 壁厚<br>Wall Thickness     | 1.8mm              | 2.5mm             |
| 外径尺寸<br>Outside Diameter | 25mm               | 25mm              |



|                       |                     |
|-----------------------|---------------------|
| 料号 Part No.           | NS25MD-002          |
| 材料 Material           | PVC                 |
| 工作制类型 Duty type       | 中密度 Medium duty     |
| 颜色 Colour             | 灰色 Grey             |
| 耐冲击强度 Impact strength | 高阻抗 High resistance |
| 抗UV UV resistant      | YES                 |
| 壁厚 Wall thickness     | 2.5m                |
| 内径尺寸 Inside Diameter  | 25mm                |
| 长度 Length             | 48mm                |



|                       |                     |
|-----------------------|---------------------|
| 料号 Part No.           | NS25HD-002          |
| 材料 Material           | PVC                 |
| 工作制类型 Duty type       | 高密度 Heavy duty      |
| 颜色 Colour             | 灰色 Grey             |
| 耐冲击强度 Impact strength | 高阻抗 High resistance |
| 抗UV UV resistant      | YES                 |
| 壁厚 Wall thickness     | 2.5mm               |
| 内径尺寸 Inside Diameter  | 25mm                |
| 长度 Length             | 48mm                |



|                       |                     |
|-----------------------|---------------------|
| 料号 Part No.           | NS25MD-003          |
| 材料 Material           | PVC                 |
| 工作制类型 Duty type       | 中密度 Medium duty     |
| 颜色 Colour             | 灰色 Grey             |
| 耐冲击强度 Impact strength | 高阻抗 High resistance |
| 抗UV UV resistant      | YES                 |
| 开合长度 Tee Off length   | 69mm                |
| 内径尺寸 Inside Diameter  | 25mm                |
| 直线长度 In Line Length   | 108mm               |

## 单边扣 SINGLE PIPE CLAMP



|                     |                |
|---------------------|----------------|
| 材料 Material housing | 铁 Ferrum       |
| 成品 Finish           | 镀锌 Zinc Plated |
| 直径 Gauge            | 1.2mm          |
| 洞口尺寸 Hole diameter  | 5.2mm          |
| 长度 Length           | 56.5mm         |
| 宽度 Width            | 25mm           |
| 高度 Height           | 26mm           |



25mm Plain to Screwed Adaptor  
25mm直管面板接头



|                        |                     |                       |                     |
|------------------------|---------------------|-----------------------|---------------------|
| 料号 Part No.            | HD2525-001          | 工作制类型 Duty type       | 重型 Heavy duty       |
| 材料 Material            | PVC                 | 连接类型 Connection type  | 平拧 Plain to screwed |
| 模型 Model               | 直管 Straight         | 耐冲击强度 Impact strength | 高阻抗 High resistance |
| 结构类型 Construction type | 外螺纹 External thread | 抗UV UV resistant      | Yes                 |
| 螺纹类型 Thread type       | 公制 Metric           | 无卤化 Halogen free      | No                  |
| 颜色 Colour              | 灰色 Grey             |                       |                     |

| 外螺纹 External thread | 螺纹长度 Thread length | 内直径 Inside Diameter | 外直径 Outside Diameter | 长度 Length |
|---------------------|--------------------|---------------------|----------------------|-----------|
| 25mm                | 13.5mm             | 25mm                | 32mm                 | 40mm      |

Plain screwed adaptor 25mm  
25mm软管接头



|                                    |                     |
|------------------------------------|---------------------|
| 料号 Part No.                        | NSCG25-001          |
| 材料 Material                        | 尼龙 Polyamide        |
| 结构类型 Connection type               | 外螺纹 External thread |
| 颜色 Colour                          | 灰色/黑色 Grey/Black    |
| 连接方式 Connection type               | 螺纹 Thread           |
| 工作温度范围 Operating temperature range | -15°C until +60°C   |
| 工作制类型 Duty type                    | 高密度 Heavy duty      |
| 抗UV UV resistant                   | Yes                 |
| 内含物 Inclusion                      | 防松螺母 Locknut        |
| 螺纹连接尺寸 Thread connection size      | M25x1.5             |
| 外螺纹 External thread                | 25mm                |

Plain screwed adaptor 25mm  
M25 多孔接头



|                           |                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 螺牙规格 Screw specificaliton | 公制牙 Metric                                                                                                                                                                                                                                                       |
| 产品材质 Product material     | 部分以UL认可之尼龙PA66制成(防火等级UL94V-2),部分采用EPDM耐候橡胶制成<br>The part is made of UL-approved nylon PA66(Flame class UL94V-2),B and D is made of EPDM weather-resistant rubber                                                                                                 |
| 颜色种类 Colour Type          | 黑色及灰色 Black and grey                                                                                                                                                                                                                                             |
| 工作温度 Working temperature  | -40°C-100°C                                                                                                                                                                                                                                                      |
| 产品特性 Product feature      | 特殊夹紧爪与夹紧圈之设计, 夹紧电缆范围大, 抗拉力特强, 可防水, 防尘, 抗盐, 耐弱酸, 酒精, 油, 油脂及一般溶剂<br>Special clamping jaw and clamping ring design, large clamping cable range, strong tensile strength, waterproof, dustproof, salt resistant, weak acid, alcohol, oil, grease and general solvent |





# 线缆夹

## SOLAR CABLE CLIP

- Holds solar cables perpendicular to the module frame mounting configurations.  
使太阳能电缆垂直于组件框架。
- Easy to install and detach without any tool.  
方便安装和拆卸, 无需任何工具。
- Coined edges to prevent cable insulation damages.  
压边, 防止损坏电缆外被层。
- Could be used on modules with a flange thickness of 1.3 to 2.5mm.  
可用于法兰厚度为1.3至2.5毫米。
- Made of stainless steel for corrosion resistance.  
不锈钢精制而成, 耐腐蚀。



### 产品规格 Product Specifications

|                                                                                                               |                                                                                                                   |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <p>SCC-SP/2</p>            | <p>SCC-90/US/201A</p>         | <p>SCC-CT</p>              |
| <p>SCC-4S/2(SCC-OD/2)</p>  | <p>SCC-6S/2</p>               | <p>SCC-ST/4M</p>           |
| <p>SCC-90/6S/2</p>         | <p>SCC-90/4S/2(SCC-NS/2)</p>  | <p>SCC-US/2</p>            |
| <p>SCC-90/6S/4</p>         | <p>SCC-6S/4</p>               | <p>SCC-4S/4(SCC-OD/4)</p>  |



## 太阳能接地线夹 SOLAR EARTHING CLAMP

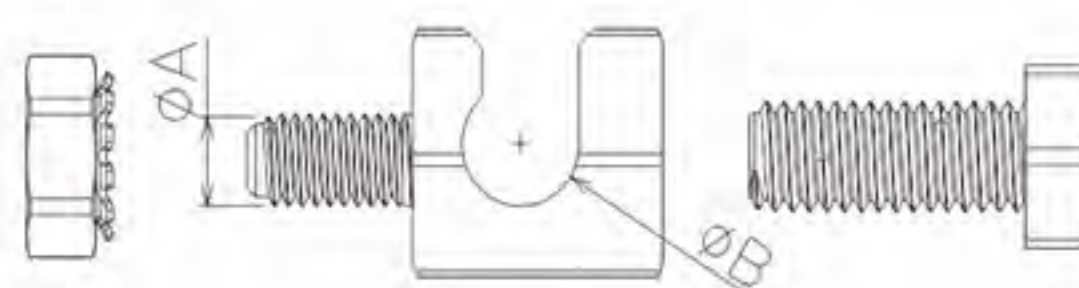
- User-friendly design and easy installation  
人性化设计安装简易
- Suitable for C-type\ U steel and H-type channel steel  
适合各种光伏发电板C型\U型钢及H型钢槽钢等
- Tinned copper material, durable  
铜镀锡材质, 经久耐用
- Stainless steel screw, anti-rust anti-corrosion  
不锈钢螺丝防锈防腐
- Support customization, short delivery time  
支持定制 货期短



### 产品参数/Product parameter

|                                     |                           |
|-------------------------------------|---------------------------|
| 产品型号<br>Product Model               | L08001-***                |
| 产品材质<br>Product Material            | 铜/304不锈钢<br>Copper/SUS304 |
| 产品颜色<br>Product Color               | 白色White                   |
| 支架的厚度范围<br>Frame Thickness Range    | 0.8-4.5mm                 |
| 环境温度范围<br>Ambient temperature range | -40°C...+85°C(IEC)        |
| 使用寿命<br>Warranty                    | 25年<br>25 Year            |

### 产品尺寸/Product size



| 料号/Part number | A | B   | 适配电线/Cable size |
|----------------|---|-----|-----------------|
| L08001-001     | 5 | 6.8 | 6.8             |
| L08001-002     | 4 | 5.5 | 5.5             |
| L08001-003     | 6 | 10  | 10              |

## 防水盖片 ROOF FLASHING

- Quality assurance for 25 years  
25年品质保证
- Round and square waterproof cover suitable for any shape of roof  
圆形和方形防水盖片适合任何形状的屋面
- Resist to extreme temperatures - 50 degrees to 200 degrees  
可承受极端气温-50度至200度
- No crease, no leakage  
不产生折皱, 无渗漏隐患
- Imported rubber raw material  
进口橡胶原料



### 产品参数/Product parameter

|                           |                                |
|---------------------------|--------------------------------|
| 产品型号<br>Product Model     | L07001-***                     |
| 产品材质<br>Product Material  | 硅橡胶<br>Silicon rubber          |
| 产品颜色<br>Product Color     | 黑色/红色/灰色<br>Black / Red / Gray |
| 产品外缘<br>Product Rim       | 铝合金<br>Aluminium alloy         |
| 产品厚度<br>Product Thickness | 1.5-2.0mm                      |
| 使用寿命<br>Warranty          | 25年<br>25 Year                 |

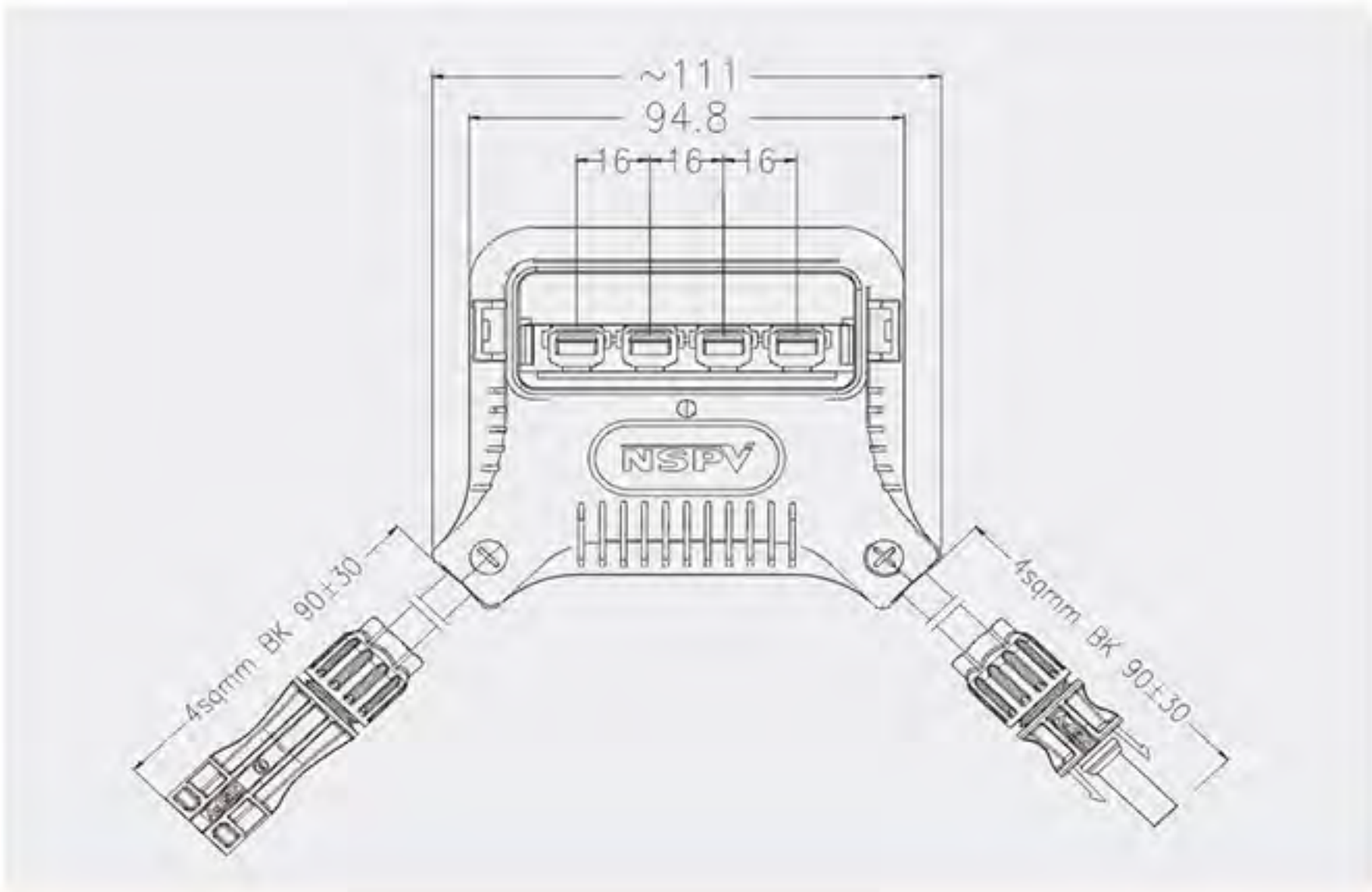
Rainbow quick stitching silicone waterproof cover is designed for roof waterproof, especially suitable for all kinds of round tubular impervious requirements, but before installation it must be cut to the appropriate size according to the outside diameter of the pipe.

快速缝合硅胶防水盖片是专为屋面防水设计的, 特别适于各种圆管状的防渗要求, 但在安装前必须根据管子的外径裁切至合适的尺寸。





光伏4线接线盒 PV 4 RAILS JUNCTION BOX



| 产品规格 Product Specifications        |                           |                                         |                                 |
|------------------------------------|---------------------------|-----------------------------------------|---------------------------------|
| 绝缘材料<br>Insulation material        | PPE/PA                    | 安全等级<br>Safety degree                   | II                              |
| 额定电压<br>Rated voltage              | 1500V (IEC)               | 阻燃等级<br>Flame class                     | UL94-V0                         |
| 额定电流<br>Rated current              | 14A(Diode 25A)            | 二极管数量<br>Diode Number                   | Each 3PC                        |
| 测试电压<br>Test voltage               | 8KV(50Hz,1min)            | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)              |
| 连接器接触电阻<br>Contact resistance      | ≤ 0.25 mΩ                 | 适配电线规格<br>Suitable cable cross sections | 2.5-6mm <sup>2</sup> (14-10AWG) |
| 金属导体材料<br>Contact material         | 铜,镀锡<br>Copper,Tin plated | 电缆外径(mm)<br>Range of cable gland(mm)    | O.D.:4.8-6.2                    |
| 防护等级<br>Degree of protection       | IP67(In potting)          | 温度上限<br>Upper limiting temperature      | 110°C(IEC)                      |
| 汇流条连接<br>Connection of bus ribbons | Clamp                     | 汇流条尺寸<br>Ribbons size(mm)               | 6(W)*0.2-0.4(T)                 |

光伏小型接线盒 PV MINI JUNCTION BOX



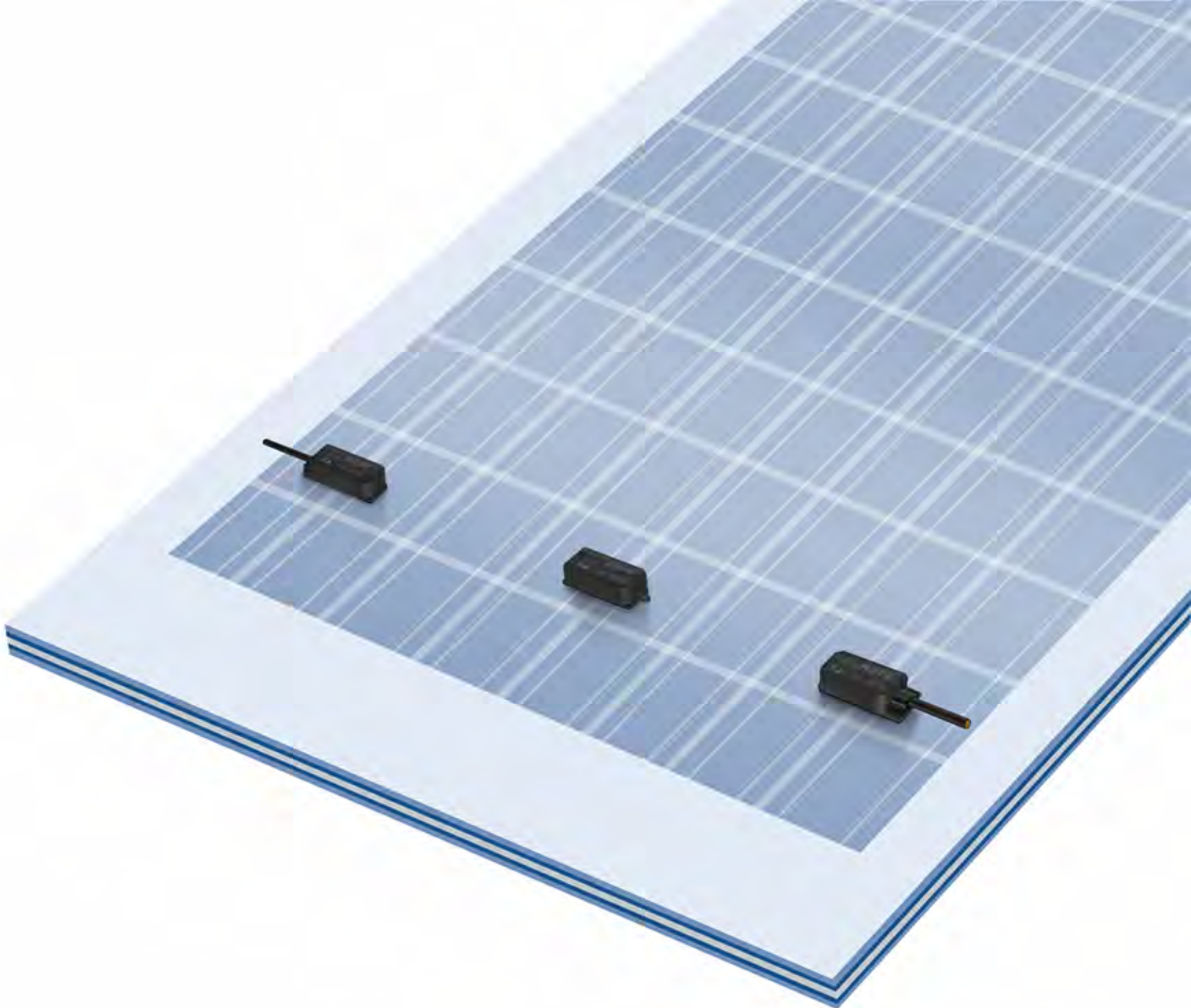
| 产品规格 Product Specifications        |                           |                                         |                        |
|------------------------------------|---------------------------|-----------------------------------------|------------------------|
| 绝缘材料<br>Insulation material        | PPE/PA                    | 安全等级<br>Safety degree                   | II                     |
| 额定电压<br>Rated voltage              | 1000V (IEC)               | 阻燃等级<br>Flame class                     | UL94-V0                |
| 额定电流<br>Rated current              | 20A                       | 二极管数量<br>Diode Number                   | Non                    |
| 测试电压<br>Test voltage               | 6kV(50Hz,1min)            | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)     |
| 连接器接触电阻<br>Contact resistance      | ≤ 0.25 mΩ                 | 适配电线规格<br>Suitable cable cross sections | 2.5/4.0mm <sup>2</sup> |
| 金属导体材料<br>Contact material         | 铜,镀锡<br>Copper,Tin plated | 电缆外径(mm)<br>Range of cable gland(mm)    | O.D.:5.5               |
| 防护等级<br>Degree of protection       | IP67(In potting)          | 温度上限<br>Upper limiting temperature      | 110°C(IEC)             |
| 汇流条连接<br>Connection of bus ribbons | 焊接Solder                  | 汇流条尺寸<br>Ribbons size(mm)               | 6.5(W)*0.2-0.8(T)      |



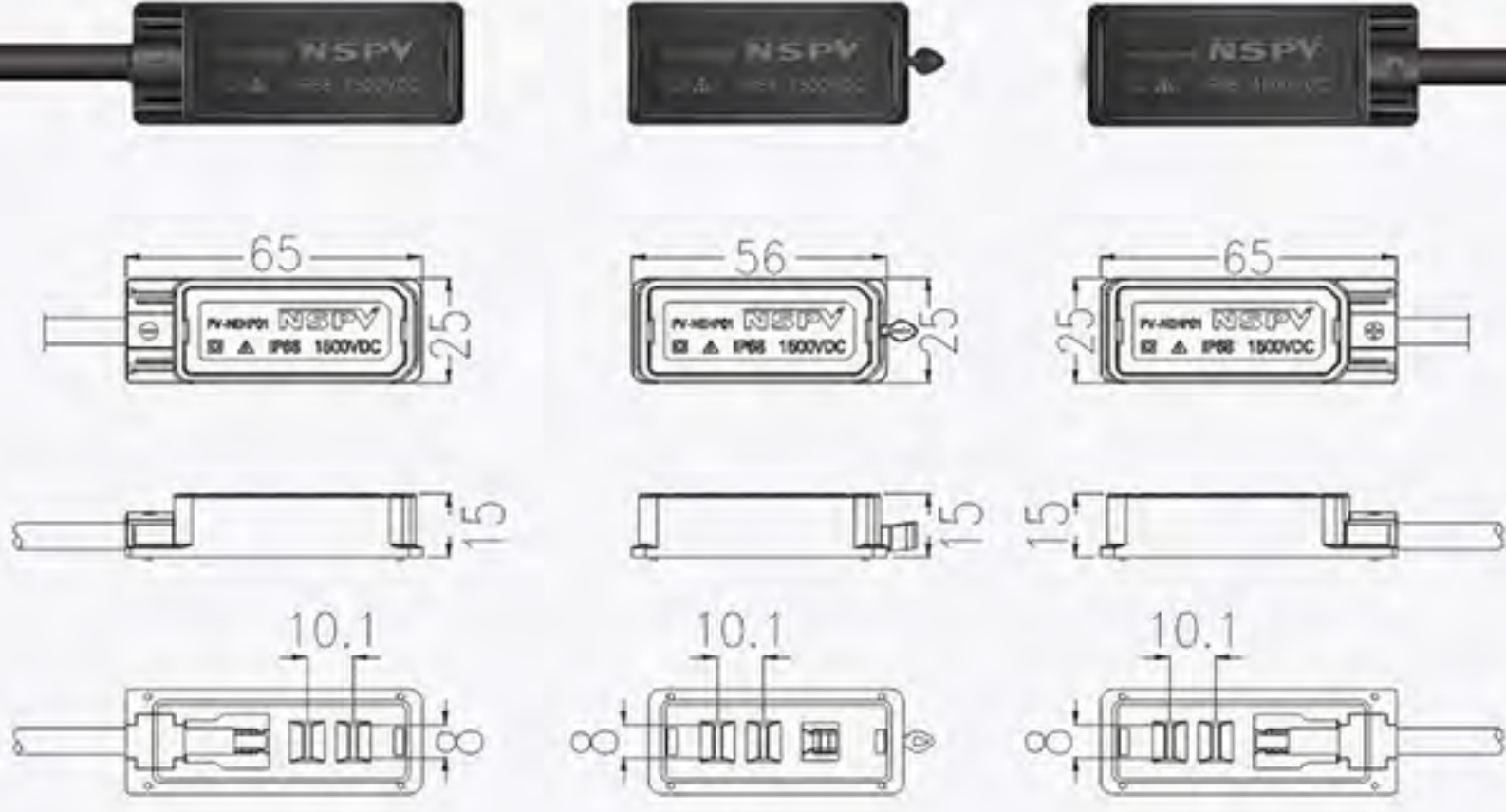
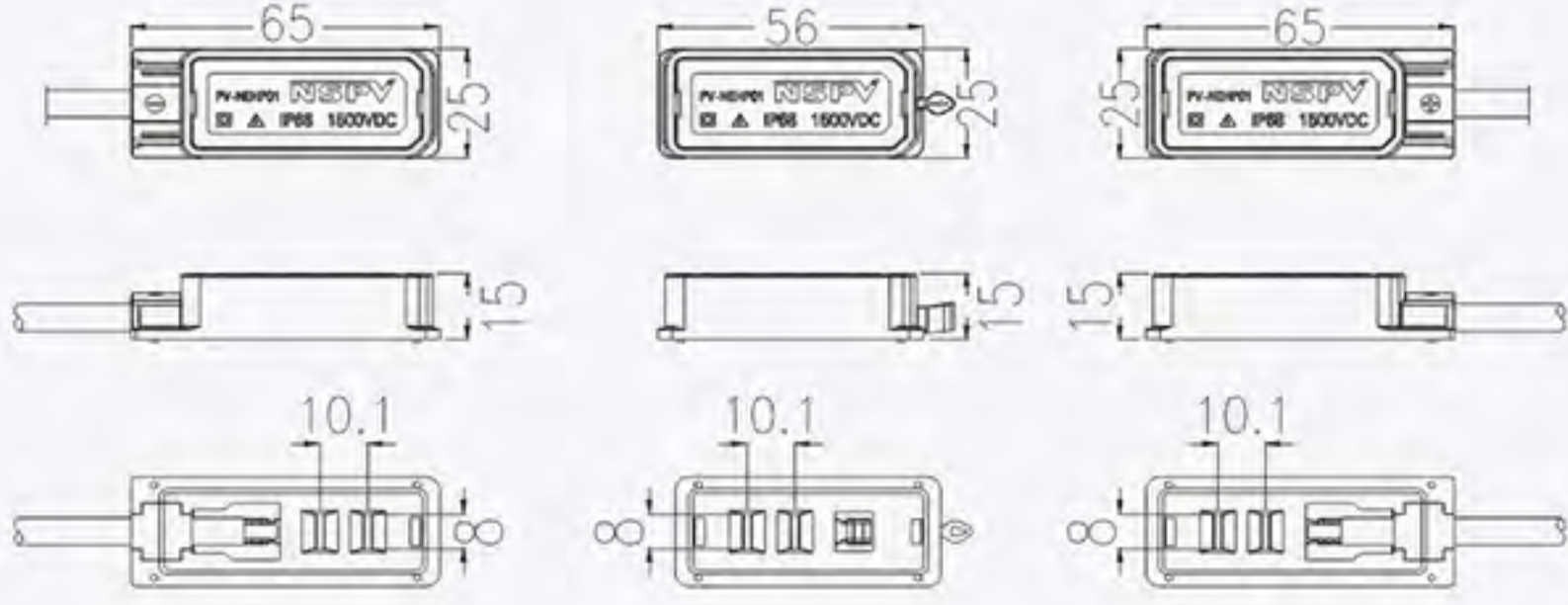
# PV-NEHP01接线盒

## PV-NEHP01 JUNCTION BOX

- Flame retardant material  
采用绝缘阻燃材质
- Small and beautiful appearance  
体积小巧 美观
- Multiple matches to meet various needs  
多种搭配组合满足需求
- Waterproof grade up to IP68  
防水等级达到IP68
- Glue filling design  
灌胶密封设计



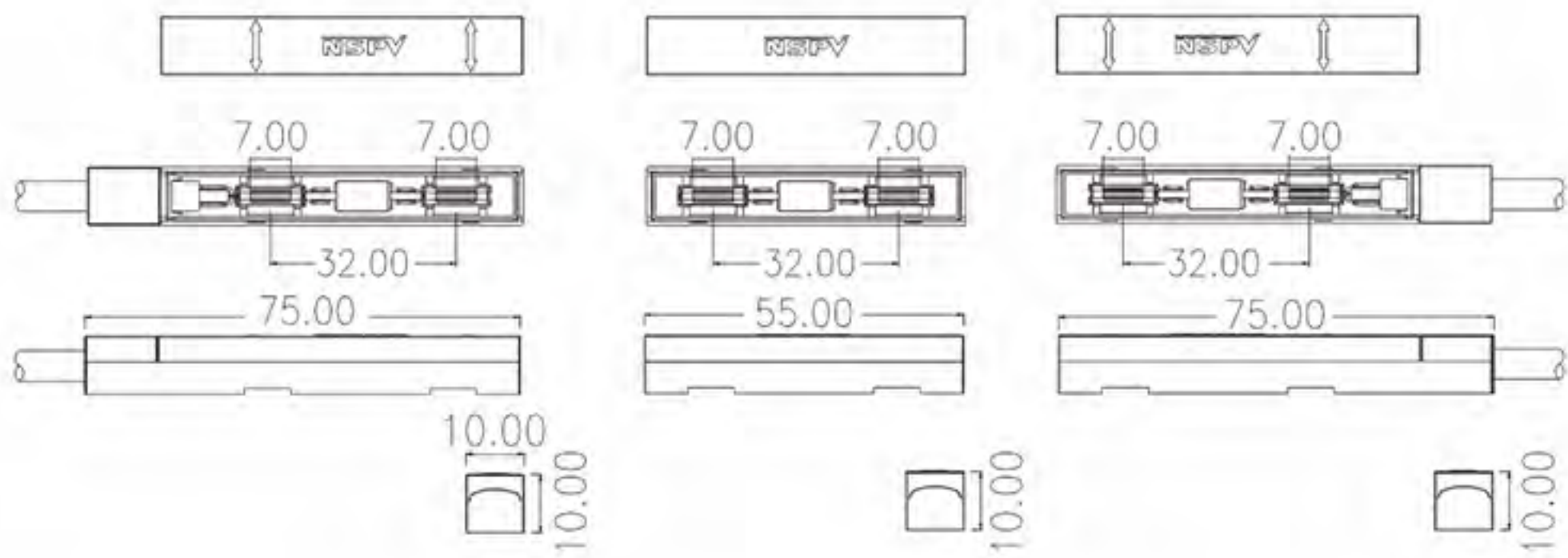
| 产品规格 Product Specifications        |                           |                                         |                     |
|------------------------------------|---------------------------|-----------------------------------------|---------------------|
| 接线盒本体材料<br>BOX Material            | PPE/PA                    | 安全等级<br>Safety degree                   | II                  |
| 额定电压<br>Rated voltage              | 1500VDC                   | 阻燃等级<br>Flame class                     | UL94-V0             |
| 额定电流<br>Rated current              | 30A(With diode)           | 二极管数量<br>Diode Number                   | Each 1PC            |
| 测试电压<br>Test voltage               | 8kV(50Hz,Imin)            | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)  |
| 连接器接触电阻<br>Contact resistance      | ≤ 0.25 mΩ                 | 适配电线规格<br>Suitable cable cross sections | 6mm² (10AWG)        |
| 金属导体材料<br>Contact material         | 铜,镀锡<br>Copper,Tin plated | 电缆外径(mm)<br>Range of cable gland(mm)    | O.D.:6.0            |
| 防护等级<br>Degree of protection       | IP68(In potting)          | 温度上限<br>Upper limiting temperature      | 110°C(IEC)          |
| 汇流条连接<br>Connection of bus ribbons | 焊接Solder                  | 汇流条尺寸<br>Ribbons size(mm)               | Max.8(W)*0.2-0.5(T) |

| 产品尺寸 Prduct Size                                                                                                                                                           |                                                                                                                                                                              |                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 母连接器 Female                                                                                                                                                                | 接线盒 Junction Box                                                                                                                                                             | 公连接器 Male                                                                                                                                                                      |
| <br> | <br> | <br> |



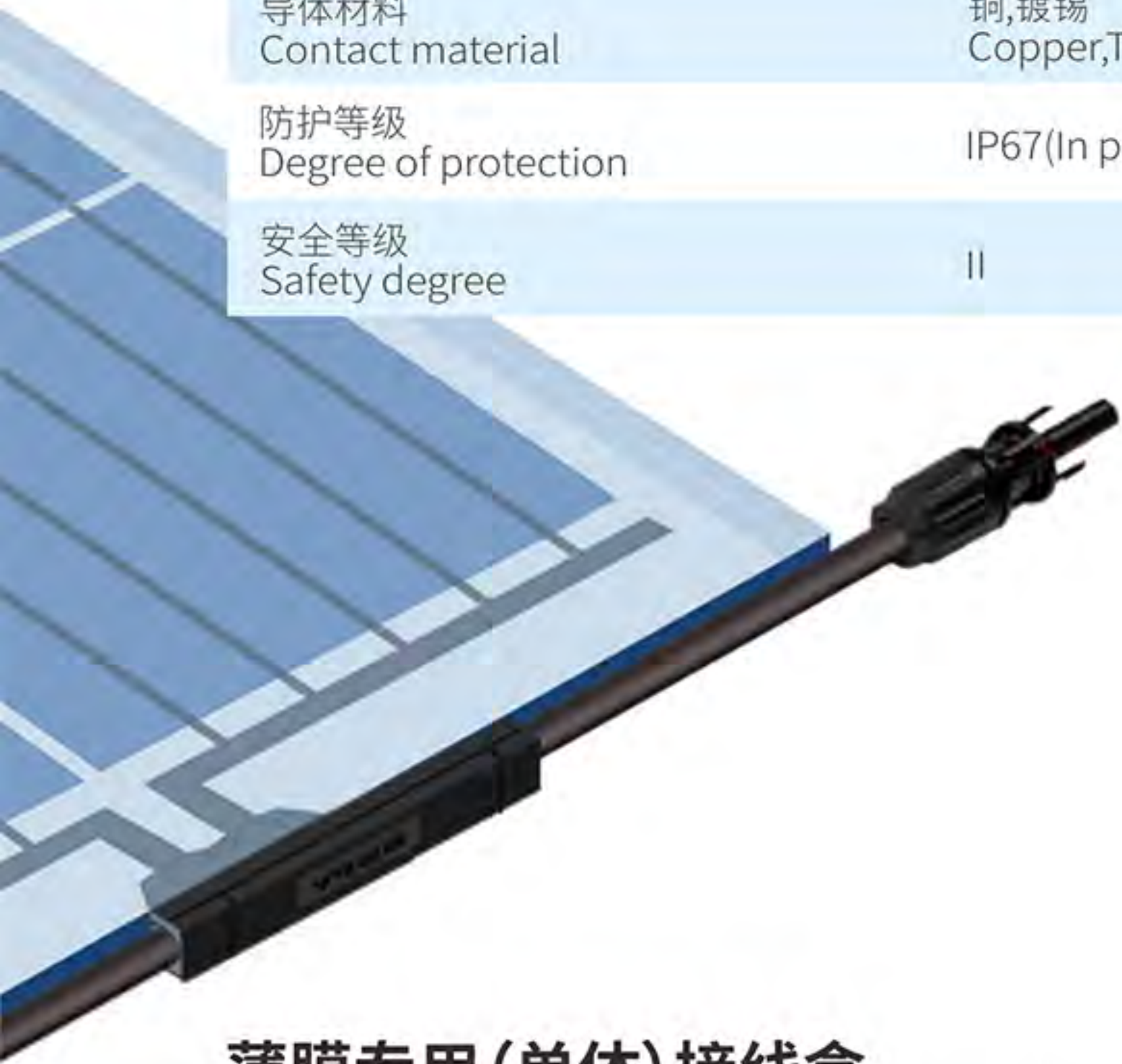


薄膜专用接线盒  
BIPV JUNCTION BOX

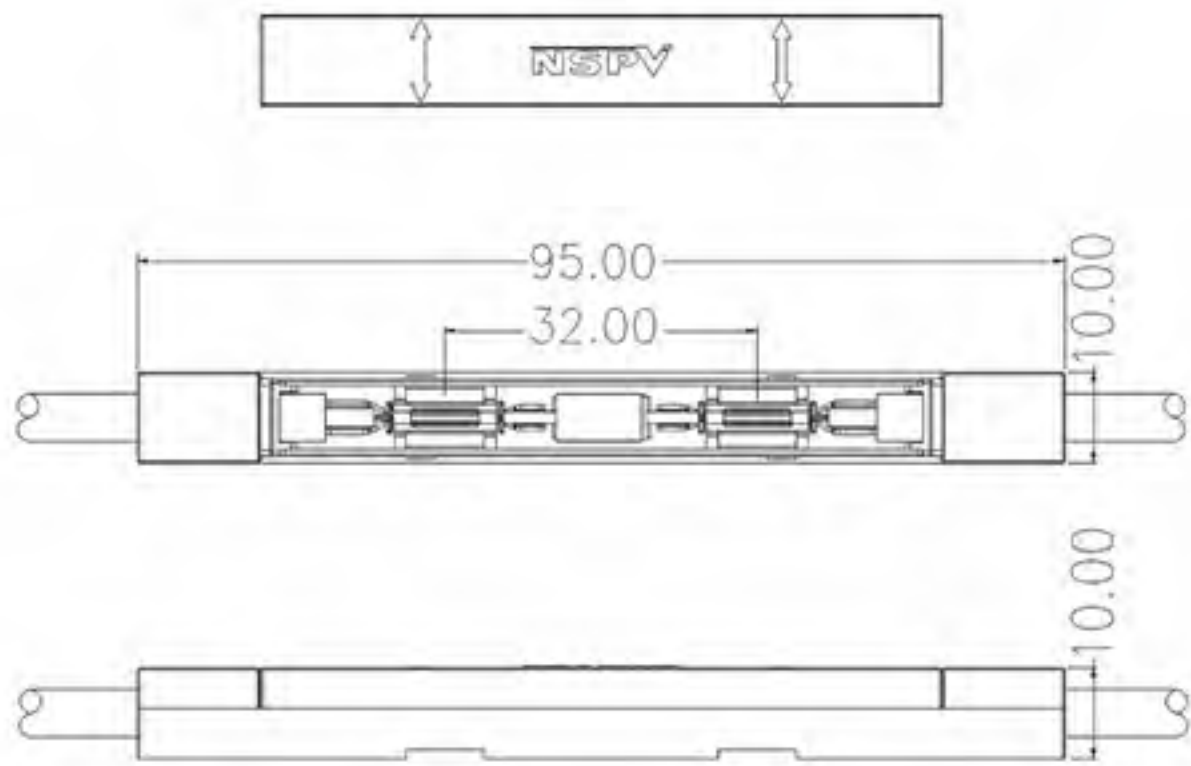


产品规格 Product Specifications

|                              |                           |                                               |                      |
|------------------------------|---------------------------|-----------------------------------------------|----------------------|
| 接线盒本体材料<br>BOX Material      | PPE/PA                    | 阻燃等级<br>Flame class                           | UL94-V0              |
| 额定电流<br>Rated current        | 10A(Diode 15A)            | 过压等级<br>Overvoltage category/Pollution degree | CATIII/2             |
| 额定电压<br>Rated voltage        | 1000V DC                  | 环境温度范围<br>Ambient temperature range           | -40°C...+85°C(IEC)   |
| 测试电压<br>Test voltage         | 6kV(50Hz,1min)            | 适配电线规格<br>Suitable cable cross sections       | 2.5~4mm <sup>2</sup> |
| 接触电阻<br>Contact resistance   | ≤ 0.25 mΩ                 | 二极管数量<br>Diode Number                         | Each 1PC             |
| 导体材料<br>Contact material     | 铜,镀锡<br>Copper,Tin plated | 温度上限<br>Upper limiting temperature            | 110°C(IEC)           |
| 防护等级<br>Degree of protection | IP67(In potting)          | 电缆外径<br>Range of cable gland(mm)              | O.D.:5.5             |
| 安全等级<br>Safety degree        | II                        | 汇流条尺寸<br>Ribbons size(mm)                     | 6(W)*0.2-0.4(T)      |



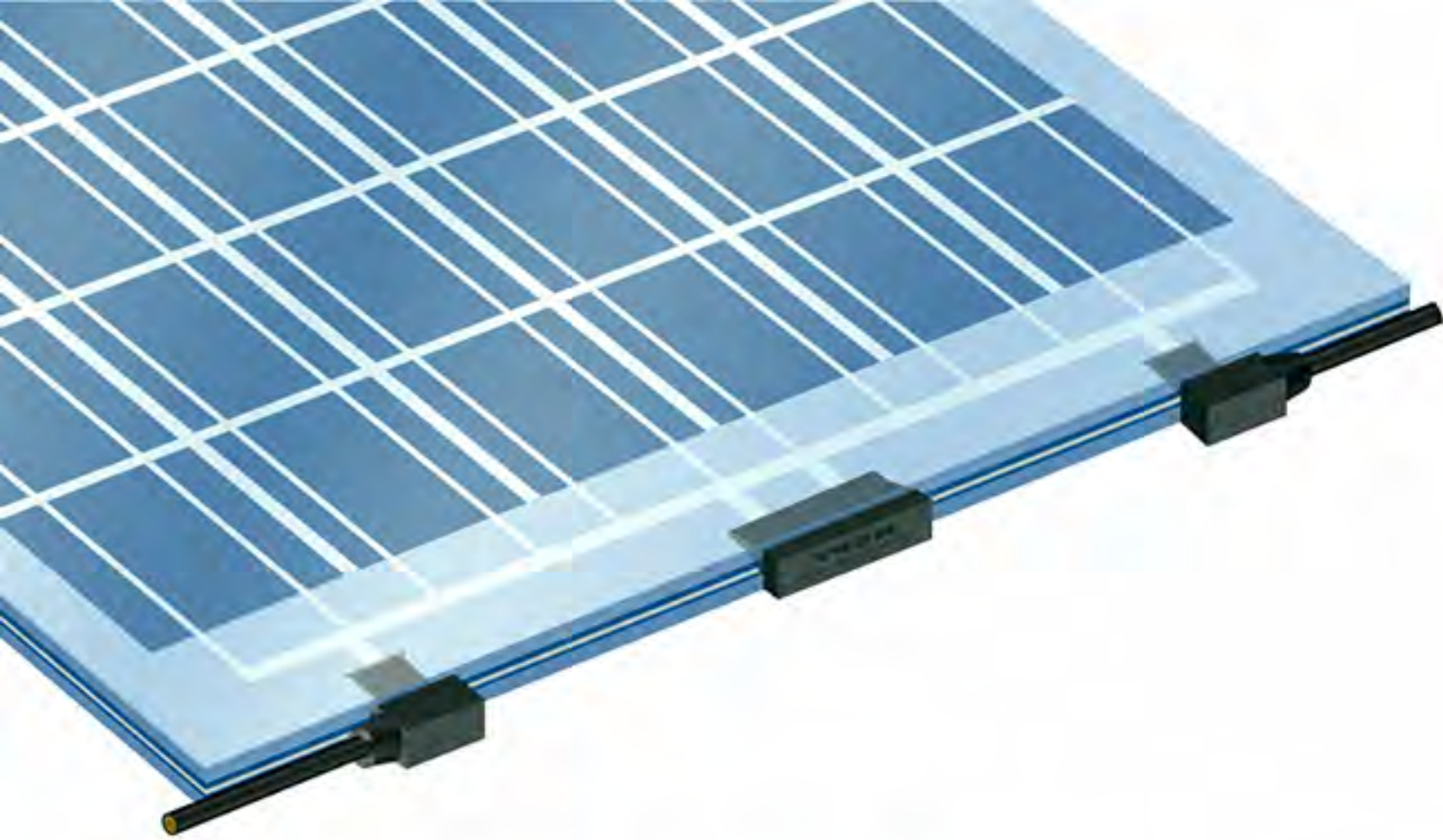
薄膜专用(单体)接线盒  
BIPV SINGLE JUNCTION BOX



产品规格 Product Specifications

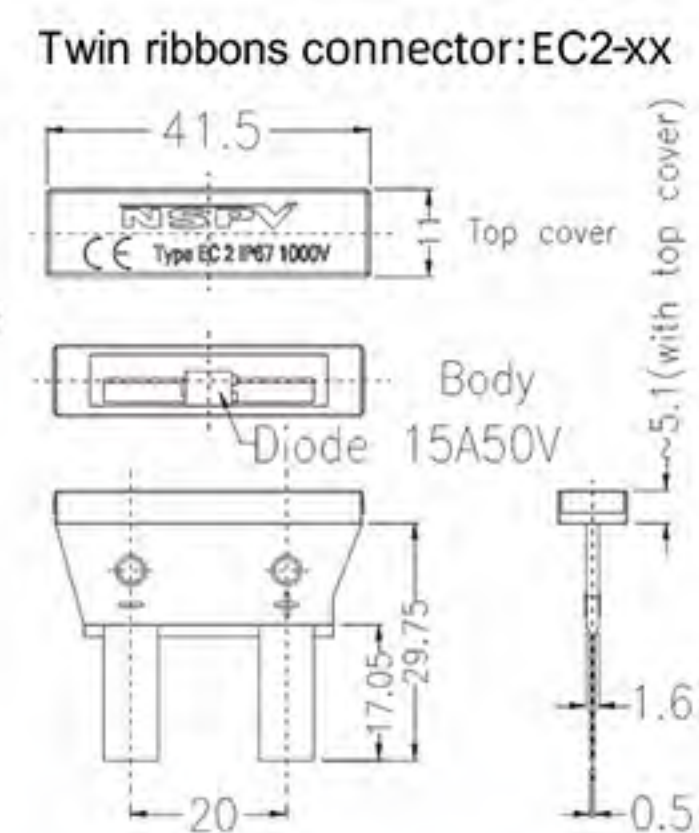
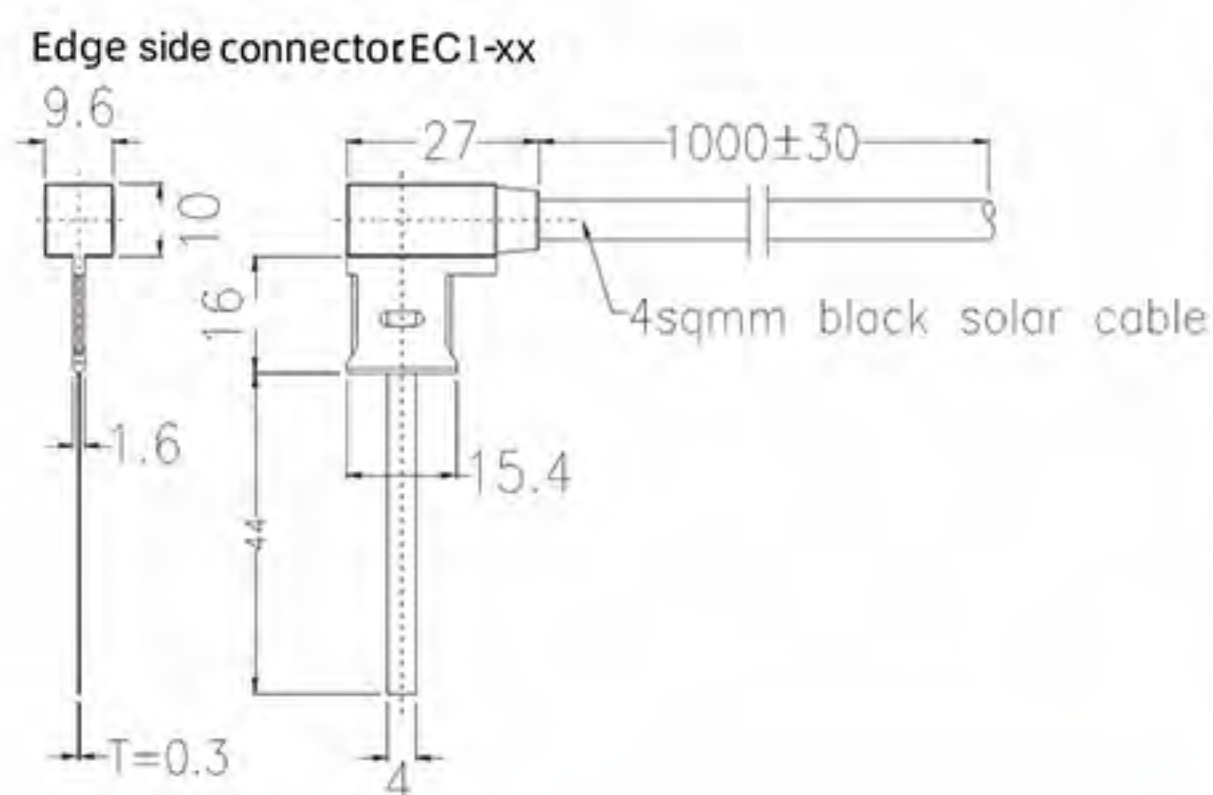
|                                    |                           |                                         |                        |
|------------------------------------|---------------------------|-----------------------------------------|------------------------|
| 绝缘材料<br>Insulation material        | PPE/PA                    | 安全等级<br>Safety degree                   | II                     |
| 额定电压<br>Rated voltage              | 1000V (IEC)               | 阻燃等级<br>Flame class                     | UL94-V0                |
| 额定电流<br>Rated current              | 10A(Diode 15A)            | 二极管数量<br>Diode Number                   | Each 1PC               |
| 测试电压<br>Test voltage               | 6kV(50Hz,1min)            | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)     |
| 连接器接触电阻<br>Contact resistance      | ≤ 0.25 mΩ                 | 适配电线规格<br>Suitable cable cross sections | 2.5/4.0mm <sup>2</sup> |
| 金属导体材料<br>Contact material         | 铜,镀锡<br>Copper,Tin plated | 电缆外径(mm)<br>Range of cable gland(mm)    | O.D.:5.5               |
| 防护等级<br>Degree of protection       | IP67(In potting)          | 温度上限<br>Upper limiting temperature      | 110°C(IEC)             |
| 汇流条连接<br>Connection of bus ribbons | 压接<br>Clamp               | 汇流条尺寸<br>Ribbons size(mm)               | 6(W)*0.2-0.4(T)        |





## EC1+EC2边接线盒

### EC1+EC2 EDGE CONNECTOR



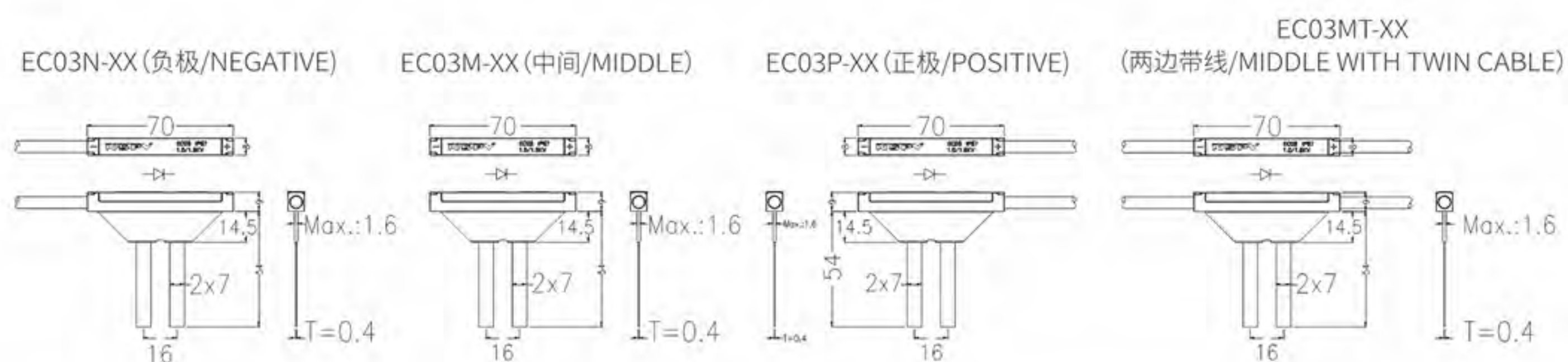
#### 产品规格 Product Specifications

|                                 |                             |                                         |                                           |
|---------------------------------|-----------------------------|-----------------------------------------|-------------------------------------------|
| 绝缘材料<br>Insulation material     | PA/CU                       | 保护等级<br>Degree of protection            | IP68(In potting)                          |
| 额定电压<br>Rated voltage           | 1000V&1500VDC               | 适配电线规格<br>Suitable cable cross sections | 2.5~4mm <sup>2</sup> /14~12AWG            |
| 额定脉冲电压<br>Rated Impulse voltage | 16KV                        | 安全等级<br>Safety degree                   | II                                        |
| 测试电压<br>Test voltage            | 6kV/8kV(50Hz,1min)          | 阻燃等级<br>Flame class                     | UL94-V0                                   |
| 连接器接触电阻<br>Contact resistance   | ≤ 0.25 mΩ                   | 安装方式<br>Installation type               | 户外, 抗紫外线(F1)<br>Outdoor, UV resistant(F1) |
| 金属导体材料<br>Contact material      | 铜, 镀锡<br>Copper, Tin plated | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)                        |
| 防护等级<br>Degree of protection    | IP68(In potting)            | 温度上限<br>Upper limiting temperature      | 110°C(IEC)                                |
| 连接方式<br>Connection mode         | 焊接<br>Soldering             | 产品颜色<br>Product color                   | 黑色<br>Black                               |



## EC03边接线盒

### EC03 EDGE CONNECTOR



#### 产品规格 Product Specifications

|                                    |                             |                                         |                                |
|------------------------------------|-----------------------------|-----------------------------------------|--------------------------------|
| 接线盒本体材料<br>BOX Material            | PA/CU                       | 安全等级<br>Safety degree                   | II                             |
| 额定电压<br>Rated voltage              | 1000V&1500VDC               | 阻燃等级<br>Flame class                     | UL94-V0                        |
| 额定电流<br>Rated current              | Max.15A(Diode 20A)          | 二极管数量<br>Diode Number                   | Each 1PC                       |
| 测试电压<br>Test voltage               | 8kV(50Hz,1min)              | 环境温度范围<br>Ambient temperature range     | -40°C...+85°C(IEC)             |
| 连接器接触电阻<br>Contact resistance      | ≤ 0.25 mΩ                   | 适配电线规格<br>Suitable cable cross sections | 2.5~4mm <sup>2</sup> /14~12AWG |
| 金属导体材料<br>Contact material         | 铜, 镀锡<br>Copper, Tin plated | 电缆外径(mm)<br>Range of cable gland(mm)    | O.D.:5.5                       |
| 防护等级<br>Degree of protection       | IP67(In potting)            | 温度上限<br>Upper limiting temperature      | 110°C(IEC)                     |
| 汇流条连接<br>Connection of bus ribbons | 焊接<br>Soldering             | 汇流条尺寸<br>Ribbons size(mm)               | 2x7.0                          |



# ITERATIVE DC PV COMBINER BOX

## 迭代直流光伏汇流箱



散热快



易安装



空间大

◆ 产品设计、制造严格依据IEC61439-1, IEC61439-2, IEC62109-1等标准, 外箱采用高强度玻璃纤维箱, 防护等级可达IP67, 绝缘性能良好, 安全可靠。

Product design and manufacturing strictly comply with IEC61439-1, IEC61439-2, IEC62109-1 and other standards. The housing adopts high-strength glass fiber box, and the protection level can reach IP67 with good insulation performance, safe and reliable.



耐腐蚀



寿命长



低成本

◆ 采用外置式光伏熔断器, 额定电流可达50A (实际情况配置不同) 可在多样的气候环境下使用, 温度适用范围广。

Use external solar fuse connector with rated current up to 50A (the actual configuration is different). It can be used in a variety of climatic environments and has a wide range of temperature applications.

◆ 安装方式: 挂接安装, 提供可靠安装挂角。

Installation method: Hook installation with reliable installation angle.

\*可根据你的要求定制

Can be made according to your requirements



# 汇流箱

## COMBINER BOX



### 产品规格 Product Specifications

| 技术数据 Technical data                                                 | 2-32路输入 2-32 Strings Combiner Boxes                  |
|---------------------------------------------------------------------|------------------------------------------------------|
| 材料 Material                                                         | PPO/PC/Matel+Plastic sprayed surface                 |
| 防护等级(根据EN 60529) Degree of protection (according to EN 60529)       | IP67/IP65                                            |
| 外观颜色 Exterior Color                                                 | 黑色/Black 米白色/Off white                               |
| 最大直流电压 Max. open circuit DC voltage                                 | 1000V DC                                             |
| 最大输入直流短路电流 Max. DC short circuit current per input                  | 20A DC/15A DC                                        |
| 浪涌保护装置 Surge protection Device                                      | 1000V DC 40KA                                        |
| 直流输入的数量(正负=一个输入) Number of DC inputs (plus and minus = one input)   | 2-32                                                 |
| 连接直流输入电缆(+) Connection DC input cables (+) to                       | Fuse holder(0.75mm <sup>2</sup> -25mm <sup>2</sup> ) |
| 连接直流输入电缆(-) Connection DC input cables (-) to                       | Fuse holder(0.75mm <sup>2</sup> -25mm <sup>2</sup> ) |
| 保险丝 Fuses                                                           | 需要/With Fuse                                         |
| 直流输出的数量(正负=一个输出) Number of DC outputs (plus and minus = one output) | 1                                                    |
| 连接电缆直流输出 Suitable cable cross section(DC output)                    | 4-150mmsq                                            |
| 最大输出断路器电流(A) Max. output circuit breaker current(A)                 | 63A-800A                                             |



## NSPV光伏并网箱

### NSPV PV GRID DISTRIBUTION BOX

| 环境条件 Ambient condition               |                                                                            |
|--------------------------------------|----------------------------------------------------------------------------|
| 工作温度 Working temperature             | -25℃~50℃                                                                   |
| 储存温度 Storage temperature             | -40℃~70℃                                                                   |
| 海拔高度 Above sea level                 | ≤2000m (海拔2000m以上需降容)<br>Need to derate if more than 2000m above sea level |
| 耐盐雾 Salt fog tolerance               | 实验168h (可定制) Experiment 168h (customizable)                                |
| 电气参数 Electrical parameters           |                                                                            |
| 绝缘电压 Dielectric withstand voltage    | AC 800V                                                                    |
| 适用装机容量 Applicable installed capacity | 3~60kW                                                                     |
| 适用电路 Applicable circuit              | 单相/3相 Single-phase / 3-phase                                               |
| 输入输出电流路数 Input / Output current path | 输入1~2路, 输出1路<br>Input 1~2 route, output 1 route                            |
| 额定工作电压 Rated working voltage         | AC 230V/400V                                                               |
| 额定电流 Rated current                   | 6~100A                                                                     |
| 断路器分断能力Lcu MCB capacity Lcu          | 6kA/10kA                                                                   |
| 输入逆变器功率 Inverter input power         | 3kW~60kW                                                                   |
| 安全保护 Safety protection               |                                                                            |
| 浪涌保护 SPD protection                  | 有 With                                                                     |
| 短路保护 Short-circuit protection        | 有 With                                                                     |
| 过载保护 Overload protection             | 有 With                                                                     |
| 漏电保护 Earth leakage protection        | 有/可选 With/can choose                                                       |
| 孤岛保护 Island protection               | 有 With                                                                     |
| 检有压重合闸 Check pressure reclosing      | 有 With                                                                     |



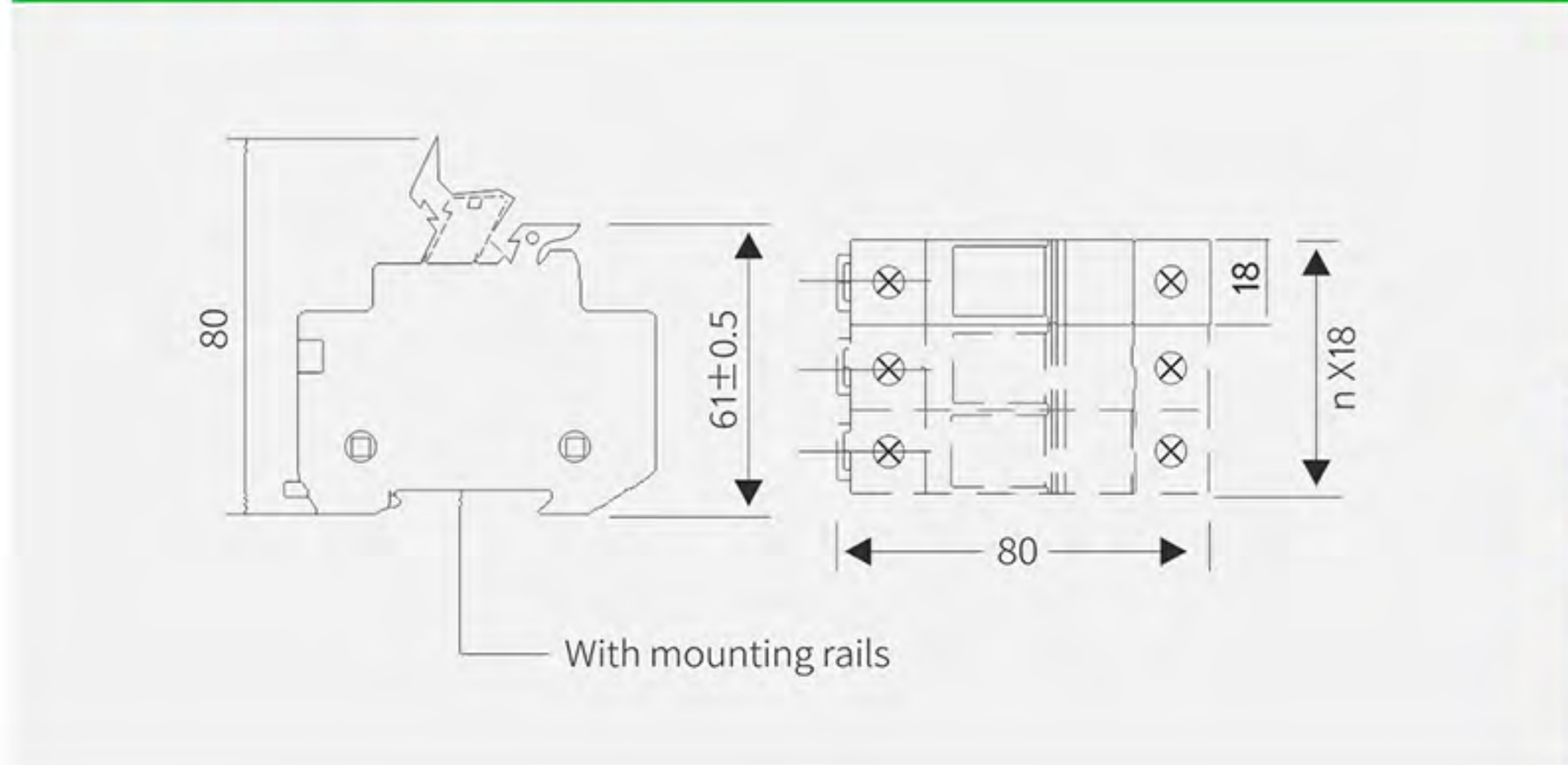
# DC1000V光伏保险丝座

1000VDC DIN RAIL FUSE HOLDER

## 产品规格 Product Specifications

|                             |            |                          |                     |
|-----------------------------|------------|--------------------------|---------------------|
| 产品型号<br>Part No.            | NSFU30-001 | 产品极数<br>Poles            | 1/2/3               |
| 绝缘材料<br>Insulation material | PA         | 保险丝数量<br>Number of fuses | 1/2/3               |
| 额定电压<br>Rated Voltage       | 1000VDC    | 保险丝尺寸<br>Fuse size       | PV-30/10x38         |
| 额定电流<br>Rated current       | MAX:32A    | 导线范围<br>Wire range       | 1-10mm <sup>2</sup> |

## 产品尺寸 Product Size



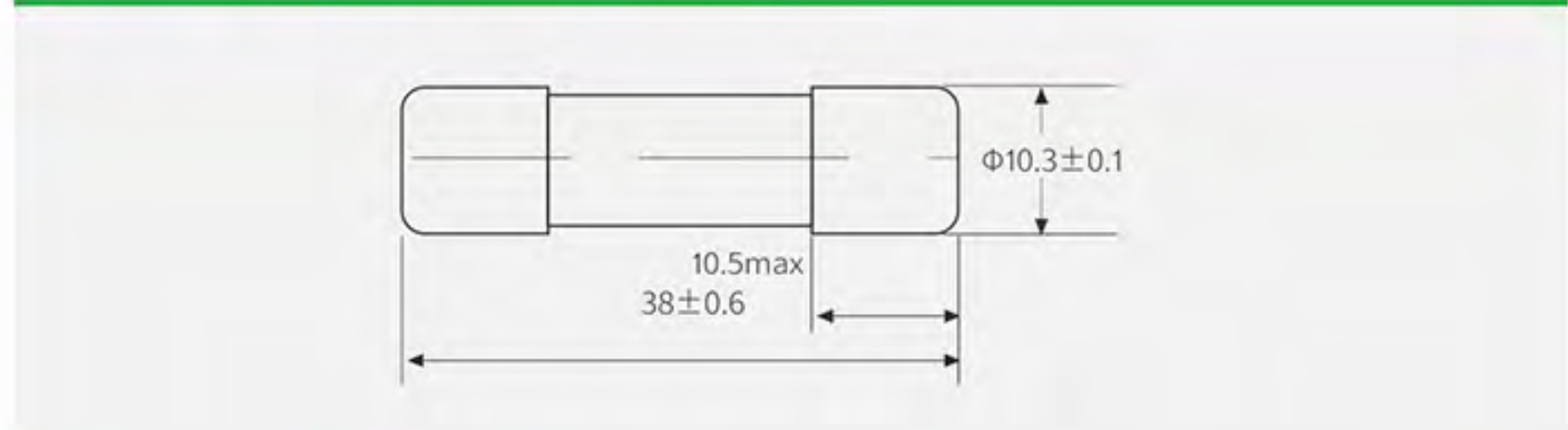
# 光伏发电保护用熔断器DC1000V

SOLAR FUSE DC1000V

## 产品规格 Product Specifications

|                           |         |                          |         |
|---------------------------|---------|--------------------------|---------|
| 产品型号<br>Product model     | NSPV-25 | 额定电压(V)<br>Rated Voltage | 1000VDC |
| 外形尺寸<br>Overall dimension | 10X38   | 额定电流(A)<br>Rated current | 1-30    |

## 产品尺寸 Product Size



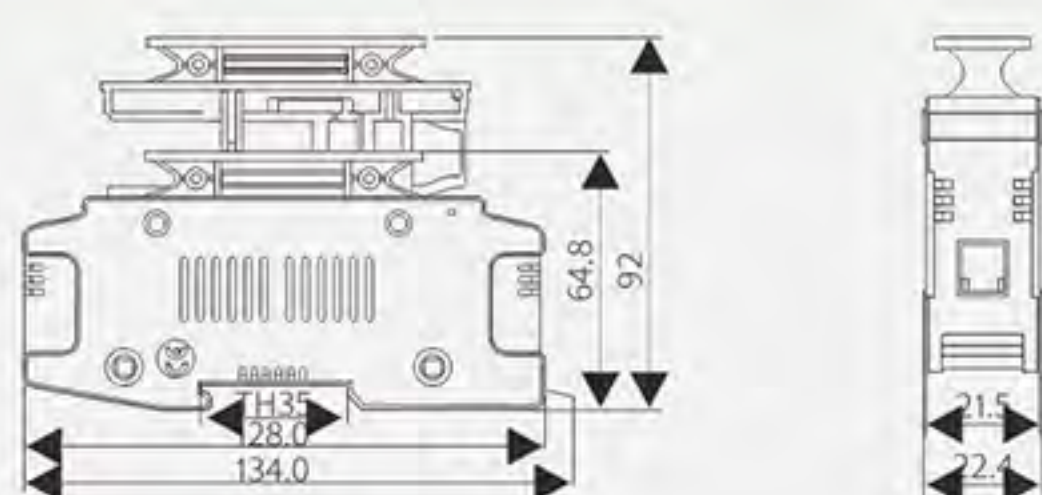


## DC1500V光伏保险丝座 1500VDC DIN RAIL FUSE HOLDER

### 产品规格 Product Specifications

|                             |         |                            |                           |
|-----------------------------|---------|----------------------------|---------------------------|
| 绝缘材料<br>Insulation material | PA      | 阻燃等级<br>Flame class        | UL94-V0                   |
| 额定电流<br>Rated current       | MAX:50A | 金属导体材料<br>Contact material | 铜,镀锡<br>Copper,Tin plated |
| 额定电压<br>Rated voltage       | 1500VDC | 接触电阻<br>Contact resistance | ≤0.25mΩ                   |
| 测试电压<br>Test voltage        | AC3kV   | 导轨规格<br>Rail spec.         | TH35                      |

### 产品尺寸 Product Size



## 光伏发电保护用熔断器DC1500V SOLAR FUSE DC1500V

### 产品规格 Product Specifications

|                                 |                                                  |                                                                     |           |
|---------------------------------|--------------------------------------------------|---------------------------------------------------------------------|-----------|
| 额定电压<br>Rated Voltage           | 1500VDC                                          | 使用类别<br>Classes                                                     | gPV       |
| 分断能力<br>Breaking capacity       | 20/30KA                                          | 储存湿度<br>Storage humidity                                            | ≤90%      |
| 额定脉冲电压<br>Rated Impulse voltage | 1575V                                            | 工作温度<br>Working temperature                                         | -40℃~+85℃ |
| 保险丝尺寸<br>Fuse size              | 10×85/14×85/10×109/14×109/22×58                  |                                                                     |           |
| 安装地点<br>Installation site       | 海拔不超过2000米<br>The altitude does not exceed 2000m |                                                                     |           |
| 参考标准<br>Reference standard      | IEC60269-1/GB13539-1/IEC60269-6/GB13539-6        |                                                                     |           |
| 安装方式<br>Installation method     | 保险丝座或保险丝连接器<br>Fuse holder or fuse connector     |                                                                     |           |
| 额定电流<br>Rated current           | NSPV-2258                                        | 10A,15A,20A,25A,32A,35A,40A,50A,60A,65A,70A,75A,80A,100A            |           |
|                                 | NSPV-32L/PIN<br>NSPV-32L.1/PIN                   | 2A,3A,3.5A,4A,5A,6A,8A,10A,12A,15A,16A,20A,25A,30A,35A,32A,40A,50A, |           |



### 产品尺寸 Product Size

NSPV-32L



NSPV-32L-PIN



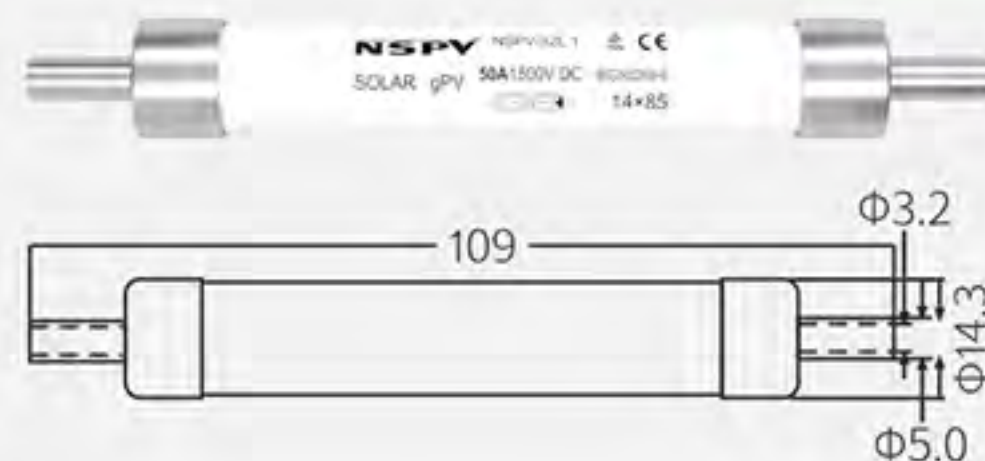
NSPV-2258



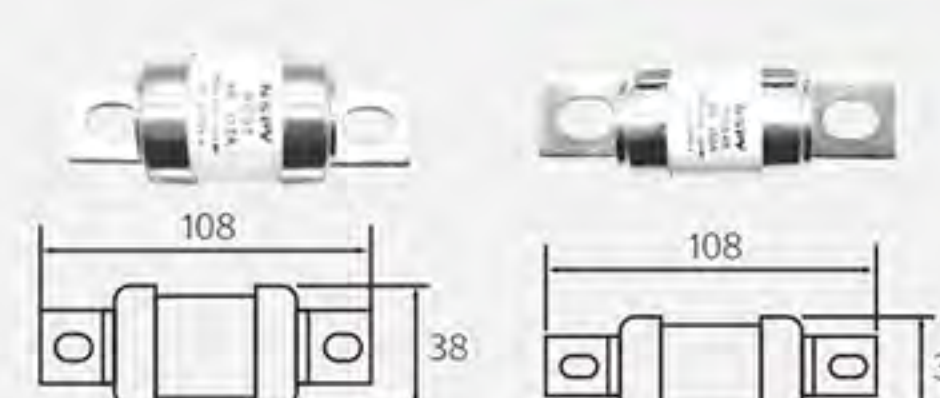
NSPV-32L.1



NSPV-32L.1-PIN



螺栓连接AC/DC熔断器





交流小型断路器 AC MINIATURE CIRCUIT BREAKER

| 产品规格 Product Specifications |                                           |                                                 |             |
|-----------------------------|-------------------------------------------|-------------------------------------------------|-------------|
| 产品型号<br>Part No.            | N47Z                                      | 产品极数<br>Poles                                   | 1P/2P/3P/4P |
| 安装轨道<br>Installation track  | 35X7.5                                    | 特性曲线<br>Characteristic                          | B,C,D       |
| 额定电压(V)<br>Rated Voltage(V) | 125/250/375/500                           | 极限分段能力Icu<br>Ultimate breaking capacity Icu(kA) | 6           |
| 额定电流<br>Rated current       | 16A,20A,25A,32A,40A,50A,63A,80A,100A,125A |                                                 |             |



直流小型断路器 DC MINIATURE CIRCUIT BREAKER

| 产品规格 Product Specifications |                                                |                                                 |             |
|-----------------------------|------------------------------------------------|-------------------------------------------------|-------------|
| 产品型号<br>Part No.            | NL7-63                                         | 产品极数<br>Poles                                   | 1P/2P/3P/4P |
| 曲线类型<br>Curve type          | B/C                                            | 极限分段能力Icu<br>Ultimate breaking capacity Icu(kA) | 6           |
| 额定电压(V)<br>Rated Voltage(V) | 250V/500V/750V/800V/1000V/1200V                |                                                 |             |
| 额定电流<br>Rated current       | 1A,2A,3A,4A,5A,6A,10,16A,20A,25A,32A,40,50,63A |                                                 |             |



小型断路器防水盒 MCB ENCLOSURE BOX



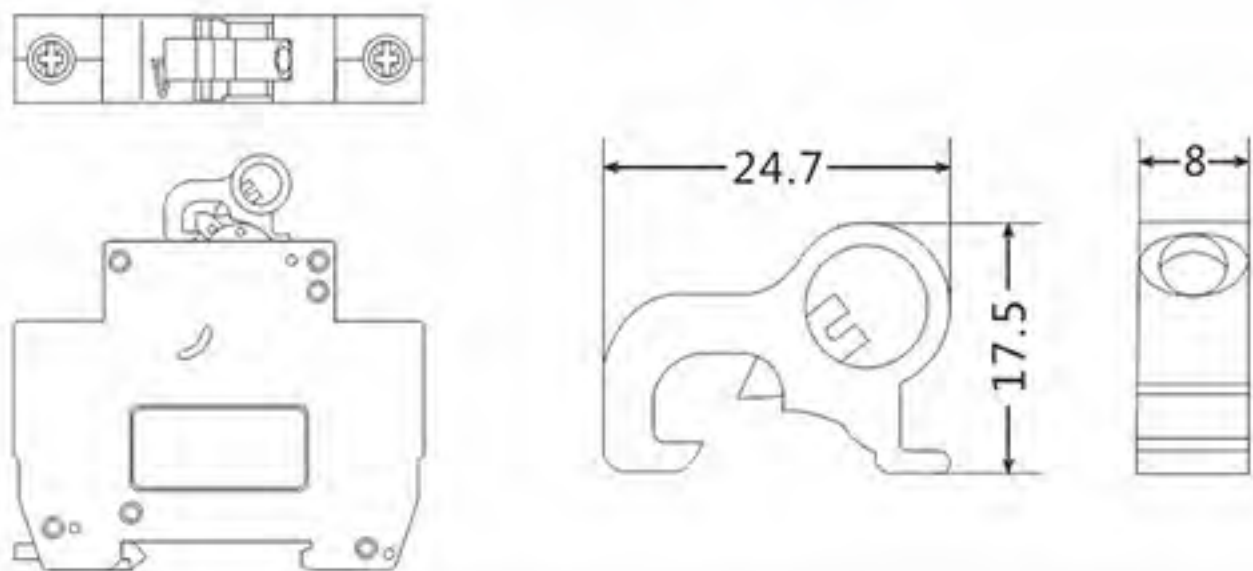
| 产品参数 Product parameters                    | 4P防水盒 SPB 4 WAYS | 8P防水盒 SPB 8 WAYS |
|--------------------------------------------|------------------|------------------|
| 最多可并联数量/Max no of strings                  | 4                | 8                |
| 防护等级/Waterproof Class                      | IP66             |                  |
| 产品材质/Material                              | ABS / PC         |                  |
| 是否配有防浪涌<br>Could match with surge arrester | YES              |                  |
| 是否有断路器<br>Could match with circuit breaker | YES              |                  |
| 是否配有保险丝座<br>Could match with fuse holder   | YES              |                  |

小型断路器锁 MCB LOCKOUT



产品规格 Product Specifications

|                     |                                       |
|---------------------|---------------------------------------|
| 产品名称 Product Name   | 小型断路器锁 MCB Lock dogs; MCB Toggle Lock |
| 材质 Material         | 铝合金、高张力 Aluminum alloy , high tension |
| 包装 Package          | 100PCS/bag                            |
| 包装重量 Package Weight | 0.48kg (0.99lb.)                      |





直流塑壳断路器 DC MCCB



MM1-\*\*\*PV



MM1-\*\*\*PV



MM1-\*\*\*PV

| DC MCCB                                                        | NM1-125 PV                                                                                                             | NM1-400 PV            | NM1-800 PV            |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| 额定持续电流 Rated continuous current I <sub>nm</sub>                | 125                                                                                                                    | 400                   | 800                   |
| 额定电流 Rated current/I <sub>n</sub> (A)                          | 16/20/25/32/40/50/63/80/100/125                                                                                        | 250/315/350/400       | 630/700/800           |
| 额定工作电压 Rated voltage U <sub>e</sub> (V) DC                     | 250V/500V/750V/1000V                                                                                                   | 500V/750V/1000V/1500V | 500V/750V/1000V/1500V |
| 额定绝缘电压 Rated Insulation Voltage U <sub>i</sub> (V)             | 1000V                                                                                                                  | 1000V                 | 1000V/1200V           |
| 额定冲击耐受电压 Rated impulse withstand voltage U <sub>imp</sub> (kV) | 8KV                                                                                                                    | 8KV                   | 8KV                   |
| 是否具有隔离特性 Whether with isolation features                       | YES                                                                                                                    |                       |                       |
| 标准 Standard                                                    | IEC 60947-2/IEC60947-1/GB 14048.1/GB 14048.2                                                                           |                       |                       |
| 标准允许环境温度 Permitted ambient temperature (°C)                    | -25°C ~ +50°C                                                                                                          |                       |                       |
| 防护等级 Degree of protection                                      | IP20                                                                                                                   |                       |                       |
| 可带附件 Optional accessories                                      | 辅助/报警/分励/手操/电操/机械联锁-Auxiliary switch、Alarm switch、Shunt release、Rotary handle、Motor-driven handle、Mechanical interlock |                       |                       |
| 飞弧距离 Flashover distance (mm)                                   | ≥ 50                                                                                                                   |                       |                       |
| 瞬时动作值 Instantaneous operation                                  | 20I <sub>n</sub>                                                                                                       |                       |                       |
| 安装方式 Installation                                              | 固定式、插入式/Stationary, plug-in type                                                                                       |                       |                       |

光伏防雷电涌保护器 PV SURGE PROTECTIVE DEVICE (SPD)

产品规格 Product Specifications

|                                                               |                                                                                           |          |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------|
| 额定电压 Rated voltage                                            | U <sub>n</sub>                                                                            | 1000V DC |
| 最大持续工作电压<br>Max.continuous d.c. voltage[(L+/L-)->PE]/[L+>-L-] | U <sub>cpv</sub>                                                                          | 1060V DC |
| 最大放电电流 (8/20us)<br>Maximum discharge current (8/20μs)         | I <sub>max</sub>                                                                          | 40KA     |
| 标称放电电流 (8/20us)<br>Nominal discharge current (8/20μs)         | I <sub>n</sub>                                                                            | 20KA     |
| 电压保护水平 Voltage protective level at I <sub>n</sub>             | U <sub>p</sub>                                                                            | ≤3.6KV   |
| 防护等级 Degree of protection                                     | IP20                                                                                      |          |
| 外壳材料 Housing material                                         | UL94V0                                                                                    |          |
| 适配电线规格 Cable cross sections                                   | 10-35平方, cable size 10-35sqmm<br>By screw terminal:10-35mm <sup>2</sup> By connection bus |          |



TB接线座2-20P

TB TERMINAL BLOCK 2-20P



产品参数 Product parameter

|                                          |                             |
|------------------------------------------|-----------------------------|
| 型号<br>Model                              | TB-01                       |
| 绝缘材料<br>Insulation material              | PBT                         |
| 额定电流/电压(直流)<br>Rated current/Voltage(DC) | Max.:50A/1000VDC            |
| 额定电流/电压(交流)<br>Rated current/Voltage(AC) | Max.:60A/690VAC             |
| 测试电压<br>Test voltage                     | 4kV(50Hz,I <sub>min</sub> ) |
| 金属导体材料<br>Contact material               | 铜,镀锡<br>Copper,Tin plated   |



# NSI01-32P光伏隔离开关

## NSI01-32P SOLAR ISOLATOR SWITCH

本产品应用于光伏系统中,使用电压可达到1500VDC。  
本产品机构动作速度快,能快速分断触头;本产品类别为DC21B。

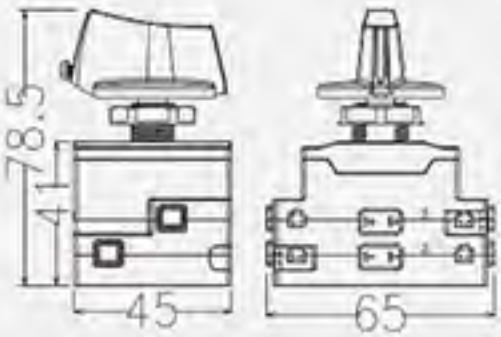
The product is used in solar system, the voltage can reach 1500VDC; The mechanism of the product move fast, breaking the contact quickly; And the category is DC21B.



### 产品规格 Product specifications

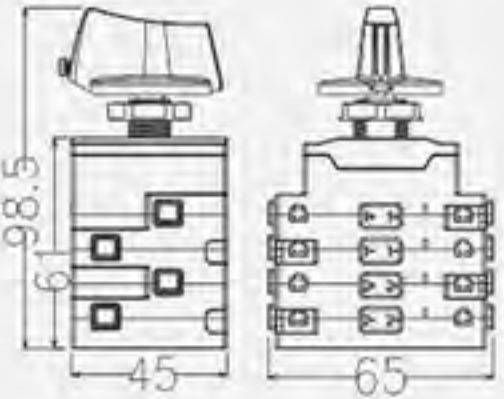


NSI01-32P2



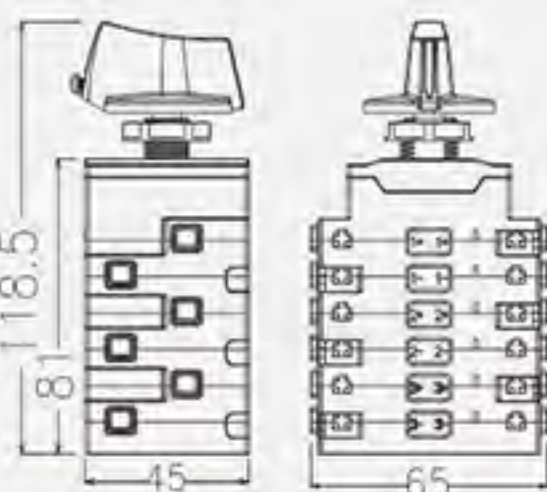


NSI01-32P4



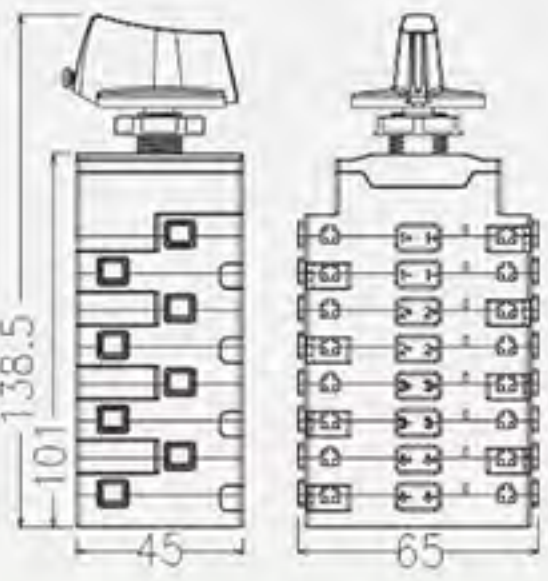


NSI01-32P6





NSI01-32P8



### 产品信息 Product Information

| 产品型号<br>Model No.                  |      |   | NSI01-32P-** | NSI01-32P-** | NSI01-32P-** | NSI01-32P-** | NSI01-32P-** |
|------------------------------------|------|---|--------------|--------------|--------------|--------------|--------------|
| 额定电压<br>Rated voltage              | Ue   | V | 1000         | 1000         | 1000         | 1000         | 1500         |
| 额定电流<br>Rated current              | Ie   | A | 16           | 20           | 25           | 32           | 16           |
| 额定发热电流<br>Rated Heating current    | Ith  | A |              |              | 32           |              | 16           |
| 额定绝缘电压<br>Rated insulation voltage | Ui   | V |              |              | 1500         |              |              |
| 安装方式<br>Installation method        |      |   |              |              | Panel Type   |              |              |
| 电寿命<br>Electric life               | time |   |              |              | 1000         |              |              |
| 机械寿命<br>Mechanical life            | time |   |              |              | 20000        |              |              |
| IP等级<br>IP level                   |      |   |              |              | IP20         |              |              |
| 环境温度<br>Ambient temperature        | °C   |   |              |              | -40°C~+70°C  |              |              |



# AC开关

## AC SWITCH

此款隔离开关防水等级IP66, 具有耐候、坚固的特点, 几乎适用于任何外部环境。双夹紧螺钉以固定接地和中性连接杆, 每个通道提供了相等的电缆剥离长度, 确保夹紧所有电缆。

The IP66 Weatherproof Isolator Switch is a robust range of switches suitable for virtually any external application. Fixed earth and neutral connector bars with dual clamping screws per tunnel provide equal stripping lengths and secure clamping for all cables.



| 料号/Part No. | 极点/Poles | 额定电流/Rated current | 额定电压/Rated voltage | 终端/Terminals (mm <sup>2</sup> ) |
|-------------|----------|--------------------|--------------------|---------------------------------|
| NSAC1P-***  | 1        | 20/30/63A          | 250V               | 2.5~16                          |
| NSAC2P-***  | 2        | 20/35/63A          | 440V               | 2.5~16                          |
| NSAC2P-***  | 2        | 25A                | 400/500/690V       | 4                               |
| NSAC2P-***  | 2        | 40A                | 400/500/690V       | 6~10                            |
| NSAC3P-***  | 3        | 20/35/55/63A       | 440V               | 2.5~16                          |
| NSAC3P-***  | 3        | 63A                | 400/500/690V       | 4~16                            |
| NSAC4P-***  | 4        | 55/63/80A          | 440V               | 16                              |

# DC开关

## DC SWITCH

此款隔离开关防水等级IP66, 具有耐候、坚固的特点, 几乎适用于任何外部环境。双夹紧螺钉以固定接地和中性连接杆, 每个通道提供了相等的电缆剥离长度, 确保夹紧所有电缆。

The IP66 Weatherproof Isolator Switch is a robust range of switches suitable for virtually any external application. Fixed earth and neutral connector bars with dual clamping screws per tunnel provide equal stripping lengths and secure clamping for all cables.



| DC21B评级 DC21B Rating |      |      |      |       |                 |
|----------------------|------|------|------|-------|-----------------|
| 600V                 | 700V | 800V | 900V | 1000V | Poles in series |
| 12A                  | 12A  | 10A  | 9A   | 6A    | 2               |
| 16A                  | 16A  | 16A  | 13A  | 9A    | 2               |
| 20A                  | 20A  | 18A  | 14A  | 10A   | 2               |
| 25A                  | 23A  | 20A  | 16A  | 11A   | 2               |
| 32A                  | 27A  | 23A  | 20A  | 13A   | 2               |
| 29A                  | 16A  | 16A  | 13A  | 9A    | 2               |
| 45A                  | 23A  | 20A  | 16A  | 11A   | 2               |
| 50A                  | 27A  | 23A  | 20A  | 13A   | 2               |
| 16A                  | 16A  | 16A  | 16A  | 16A   | 4               |
| 25A                  | 25A  | 25A  | 25A  | 25A   | 4               |
| 32A                  | 32A  | 32A  | 32A  | 32A   | 4               |



光伏安装工具

PV INSTALLATION TOOLS

- Suitable for cable cross sections 2.5mm<sup>2</sup>,4mm<sup>2</sup>,6mm<sup>2</sup>.  
适用于截面积为2.5mm<sup>2</sup>,4mm<sup>2</sup>和6mm<sup>2</sup>的线缆。
- Solar cable crimper can crimp lathing pins or stamping pins.  
压线钳可铆车件或者冲压件端子。
- Used for crimping a small amount of PV cables.  
适用于少量的光伏线缆的铆接。



产品参数 Product parameters

| 型号<br>Model | 口模类型<br>Type | 线缆尺寸<br>Cable Size (mm <sup>2</sup> ) | 铆接端子规格<br>Contact pins specification           |
|-------------|--------------|---------------------------------------|------------------------------------------------|
| L02001-***  | Mold A       | 2.5/4.0/6.0                           | 2.5/4.0/6.0mm <sup>2</sup> 冲压端子(stamping pins) |
|             | Mold B       | 2.5/4.0/6.0                           | 4mm <sup>2</sup> 车件端子(lathing pins)            |
| L02002-001  | Mold B       | 2.5/4.0/6.0                           | 2.5/4.0/6.0mm <sup>2</sup> 车件端子 (lathing pins) |
|             |              | 10.0/16.0                             | 10/16mm <sup>2</sup> 车件端子 (lathing pins)       |



  
L02001-\*\*\*

  
L02002-001

压线钳/Cable crimper

  
L06001-\*\*\*

剥线钳/Wire stripper

  
L03001-\*\*\*

剪线钳/Wire cutter

  
L04001-\*\*\*

扳手A/Spanner A

  
L04001-2\*\*\*

扳手B/Spanner B

  
L04001-3\*\*\*

扳手C/Spanner C

  
L05001-\*\*\*

螺丝刀/Screwdriver



# 光伏警示牌

## PV SOLAR LABEL

### 产品规格 Product Specifications

背胶材料/ Adhesive material      ABS+3M

颜色/Color                              红色/白色/黑色/黄色/绿色 (Red/White/Black/Yellow/Green)

使用范围/Application                      在太阳能光伏系统警告或指示标签/Warning or indication label in solar PV system

Solar d.c. in conduits have been installed in this ceiling space  
The conduit is labelled “SOLAR” and care must be taken while working nearby. The internal solar d.c. cables may be live and must not be disturbed or damaged

**SHUTDOWN PROCEDURE**

1. Turn off the “Main Switch Inverter Supply” or A.C. Isolator  
2. Turn off the “PV Array D.C Isolator” located at the inverter.  
WARNING: Do not open plug and socket connections or PV array DC Isolator under load.  
WARNING: PV array D.C. Isolators do not de-energise the PV array and array cabling.  
Start-up Procedure is the reverse of the Shutdown Procedure

**WARNING PV STRING DISCONNECTION POINT**

**WARNING PV STRING DISCONNECTION POINT**

**WARNING**  
PV ARRAY DC ISOLATORS DO NOT DE-ENERGIZE THE PV ARRAY AND ARRAY CABLING

**WARNING HAZARDOUS D.C. VOLTAGE**

**WARNING: LOADS MUST BE ISOLATED AND CIRCUIT MUST BE TESTED FOR THE ABSENCE OF CURRENT BEFORE UNPLUGGING**

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**WARNING: LOADS MUST BE ISOLATED AND CIRCUIT MUST BE TESTED FOR THE ABSENCE OF CURRENT BEFORE UNPLUGGING**

**WARNING**  
MULTIPLE D.C. SOURCES  
TURN OFF ALL D.C. ISOLATORS TO ISOLATE EQUIPMENT

**WARNING**  
MULTIPLE SUPPLIES  
ISOLATE ALL SUPPLIES BEFORE WORKING ON THIS SWITCHBOARD

**SOLAR ARRAY ON ROOF**  
OPEN CIRCUIT VOLTAGE      V  
SHORT CIRCUIT CURRENT      A

**WARNING HAZARDOUS D.C. VOLTAGE**

PV ARRAY D.C. ISOLATOR

INVERTER A.C. ISOLATOR

PV ARRAY D.C. ISOLATOR

MAIN SWITCH GRID SUPPLY      MAIN SWITCH GRID SUPPLY

Inverter Location

**PV DP**

\*可根据你的要求定制  
Can be made according to your requirements



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