

东莞市新金阳光电科技有限公司
NewSun PV Technology Co., Ltd.

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PV ACCESSORIES MANUAL

东莞市新金阳光电科技有限公司

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不断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、保险丝连接器、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.

CERTIFICATE

认证



CATALOGUE

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DC连接器系列

DC CONNECTOR

光伏4.0连接器1500V DC
PV 4.0 CONNECTOR 1500V DC

08

光伏4.0分支连接器1500V DC
PV 4.0 BRANCH CONNECTOR 1500V DC

09

光伏4.0连接器2000V DC
PV 4.0 CONNECTOR 2000V DC

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光伏保险丝连接器2258 100A-1500V DC
100A FUSE CONNECTOR 1500V DC

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光伏4.0保险丝连接器1500V DC
PV 4.0 FUSE CONNECTOR 1500V DC

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光伏4.0 面板式保险丝连接器1500V DC
PV 4.0 PANEL FUSE CONNECTOR 1500V DC

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光伏4.0 2转1分支保险丝连接器1500V DC
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光伏4.0二极管连接器1000V DC
PV 4.0 DIODE CONNECTOR 1000V DC

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光伏4.0保险丝连接器1000V DC
PV 4.0 FUSE CONNECTOR 1000V DC

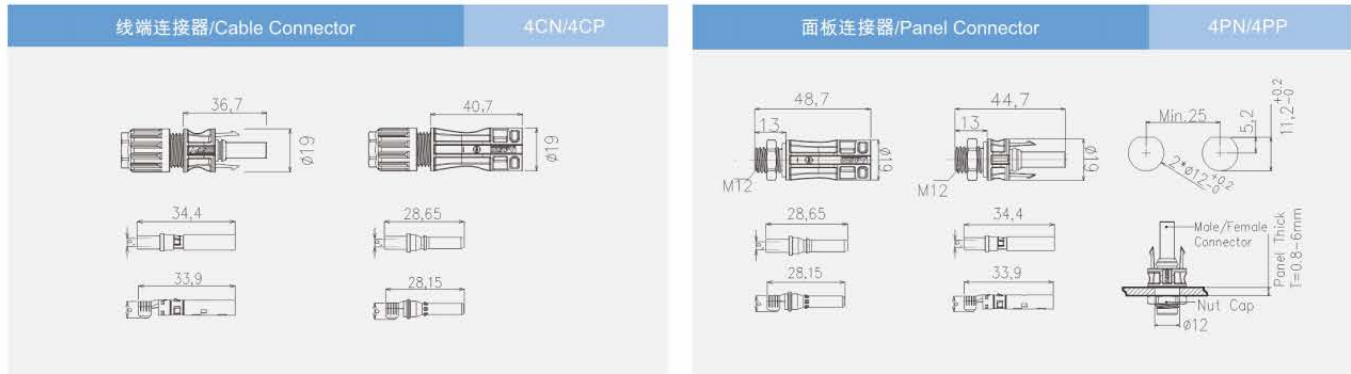
17

光伏3.0连接器1000V DC
PV 3.0 CONNECTOR 1000V DC

18

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 Insulation material	PPE/PA	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	见下表/See table below	温度上限 Upper limiting temperature	110°C(IEC)
额定电压 Rated voltage	1500V DC	拔出力/插入力 Withdrawal force/Insertion force	≥50N/≤50N
测试电压 Test voltage	8KV(50Hz,1min)	过压等级 Overvoltage category/Pollution degree	CATIII/2
接触电阻 Contact resistance	≤ 0.25 mΩ	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
导体材料 Contact material	铜,镀锡/Copper,Tin plated	适配电线规格 Suitable cable cross sections	2.5~16mm²/14~6AWG
防护等级 Degree of protection	IP68	连接方式 Connection mode	压接/Crimp connection
安全等级 Safety degree	II	产品颜色 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	4PP/4PN100	60	7.9	Ø4.5	10.0mm² & 8AWG
4CN/CP160		75		Ø5.6	16.0mm² & 6AWG



100A

大电流保险丝连接器

HIGH-CURRENT FUSE CONNECTOR

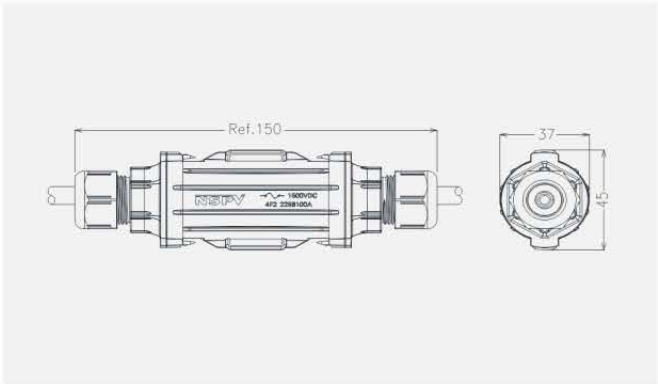


快速便捷更换内置保险丝, 节省成本和减少维护时间, 方便简单!

Quick and convenient replacement of the built-in fuse, saving costs and reducing maintenance time, simple and convenient

光伏保险丝连接器2258 100A-1500V DC

100A FUSE CONNECTOR 1500V DC



用途 Application

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,与光伏板和光电池连接,为光伏电站和光伏发电系统中变电流系统提供短路、断路的保护。额定分断能力10KA, 该产品符合IEC60269.6标准。

This series of fuses is suitable for solar photovoltaic power generation system, rated voltage up to 1500V, rated current up to 100A, connected with photovoltaic panels and batteries, to provide variable flow system for short circuit and current breaking protection in photovoltaic station and photovoltaic power generation system. The rated breaking capacity is 10KA, products are in conform with IEC60269.6 standard.

工作条件 Normal Working Conditions

环境温度 AMBIENT TEMPERATURE: 40°C~+85°C设备安装的高度 EQUIPMENT INSTALLATION HEIGHT: 低于2000米 LESS THAN 2000M使用时如需超过该高度, 请提前告知, 我们可根据您的需求重新设计。

Ambient Temperature: -40°C to +90°C
Equipment Installation Height: Below 2000 m
If operation above this height is required, please inform us in advance. We can redesign the equipment according to your needs.

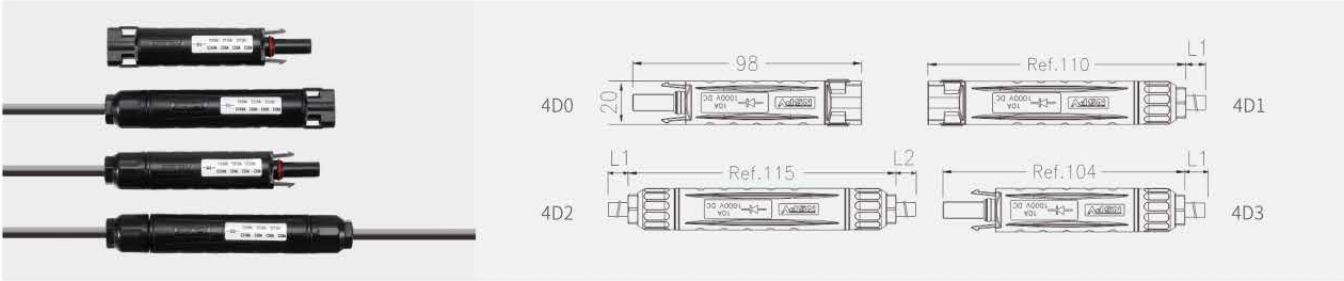
产品规格 Product Specifications

绝缘材料 Insulation material	PC/PA	适配保险丝尺寸 (mm) Suitable for fuse size (mm)	22×58
额定电流 (不含保险丝) Rated current (Without fuse)	100A(With 35sqmm)	阻燃等级 Flame class	UL94-V0
额定电压 Rated voltage	1500V DC	安全等级 Safety degree	II
保险丝规格 Fuse Specification	10-100A	符合标准 Regulatory approval	TUV, CE, UL
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
金属导体材料 Contact material	铜, 镀锡 Copper, Tin plated	适配电线规格 Suitable cable cross sections	10mm², 16mm², 25mm², 35mm²
防护等级 Degree of protection	IP68(1m.1H)	温度上限 Upper limiting temperature	110°C (IEC)
产品颜色 Product color	黑色/Black	额定脉冲电压 Rated impulse voltage	16KV



光伏4.0二极管连接器1000V DC

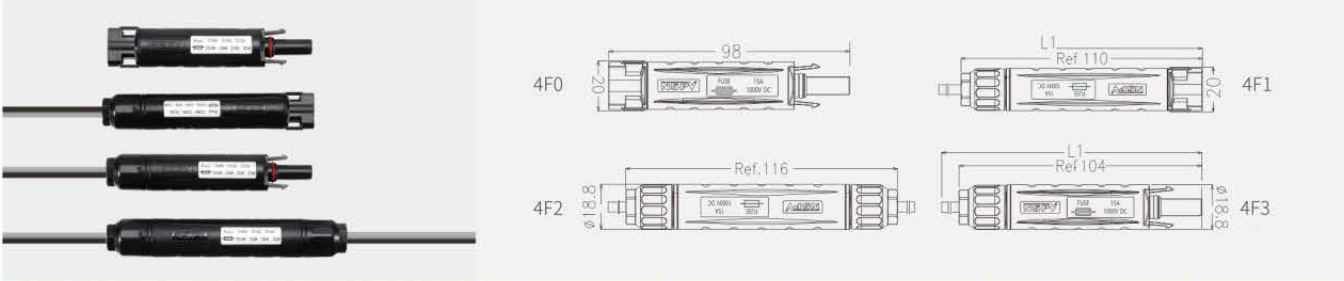
PV 4.0 DIODE CONNECTOR 1000V DC



产品规格 Product Specifications			
绝缘材料 Insulation material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1000V DC	阻燃等级 Flame class	UL94-V0
额定电流(含二极管) Rated current (With Diode)	15A (Diode Rated Current 25A)	插入力/拔出力 Insertion force/Withdrawal force	≤50N/≥50N
额定电流(不含二极管) Rated current (Without diode)	30A	过压等级 Overvoltage category/Pollution degree	CATIII/2
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
测试电压 Test voltage	6KV(50Hz,1min)	连接方式 Connection mode	压接 Crimp connection
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	适配电线规格 Suitable cable cross sections	2.5~6mm²/14~10AWG
防护等级 Degree of protection	IP67	温度上限 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

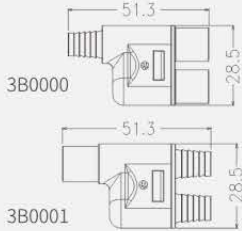
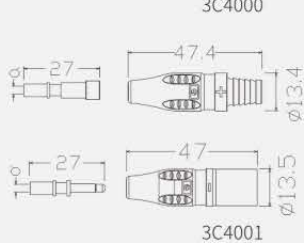
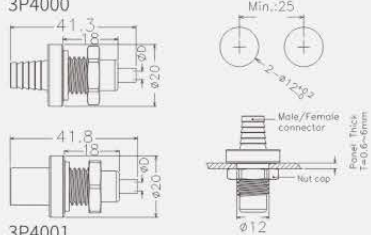


产品规格 Product Specifications			
绝缘材料 Insulation material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1000VDC	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	30A(不含保险丝)	插入力/拔出力 Insertion force/Withdrawal force	≤50N/≥50N
保险丝规格 Fuse Specification	1A,2A,3.5A,4A,5A,8A,10A,12A,15A,20A,25A,30A	过压等级 Overvoltage category/Pollution degree	CATIII/2
测试电压 Test voltage	6KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	连接方式 Connection mode	压接 Crimp connection
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	适配电线规格 Suitable cable cross sections	2.5~6mm²/14~10AWG
防护等级 Degree of protection	IP67	温度上限 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		线端连接器/Cable connector		面板连接器/Panel connector	
3B0000/01		3C4000/01		3P4000/01	
					
产品规格 Product Specifications					
绝缘材料 Insulation material	PPE/TPV/PA				
安全等级 Safety degree	II				
额定电压 Rated voltage	1000V DC				
测试电压 Test voltage	6KV(50Hz,1min)				
额定电流 Rated current	30A				
连接器接触电阻 Contact resistance	≤ 0.25 mΩ				
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated				
温度上限 Upper limiting temperature	110°C(IEC)				
防护等级 Degree of protection	IP67				
适配电线规格 Suitable cable cross sections	2.5~6mm²/14~10AWG				
过压等级 Overvoltage category/Pollution degree	CATIII/2				

绝缘材料 Insulation material	PPE/TPV/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1000V DC	阻燃等级 Flame class	UL94-V0
测试电压 Test voltage	6KV(50Hz,1min)	插入力 Insertion force	≤50N
额定电流 Rated current	30A	拔出力 Withdrawal force	≥50N
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	温度上限 Upper limiting temperature	110°C(IEC)
防护等级 Degree of protection	IP67	适配电线规格 Suitable cable cross sections	2.5~6mm²/14~10AWG
过压等级 Overvoltage category/Pollution degree	CATIII/2	端子尺寸 Pin dimensions	Φ3.0

光伏连接器 PV CONNECTOR

自主研发生产各类光伏连接器，已获得数十项产品专利
Self-development and production of various types of PV connectors, has been dozens of product patents.

AC连接器系列

AC CONNECTOR

光伏AC连接器 II
PV AC CONNECTOR II

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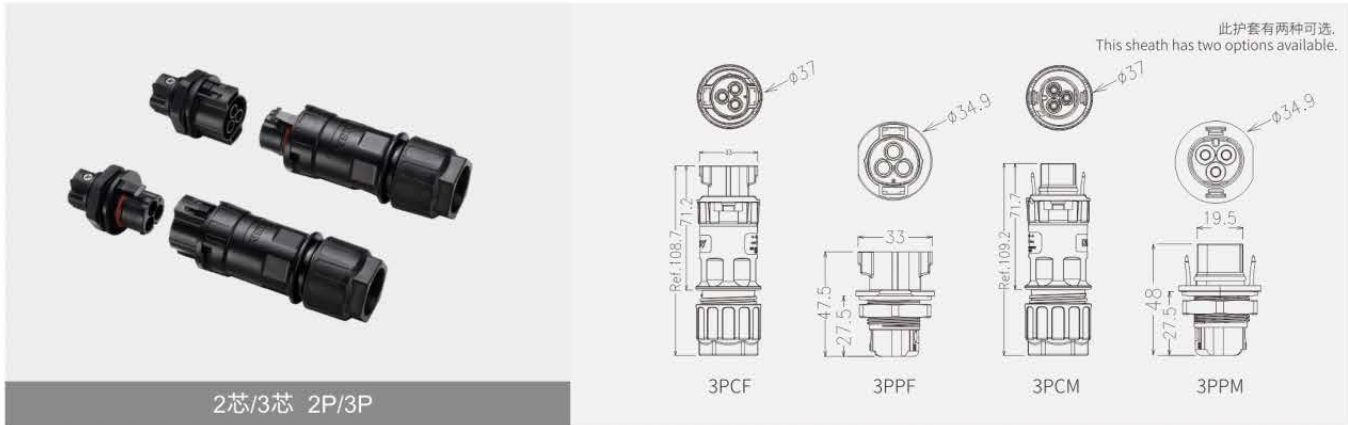
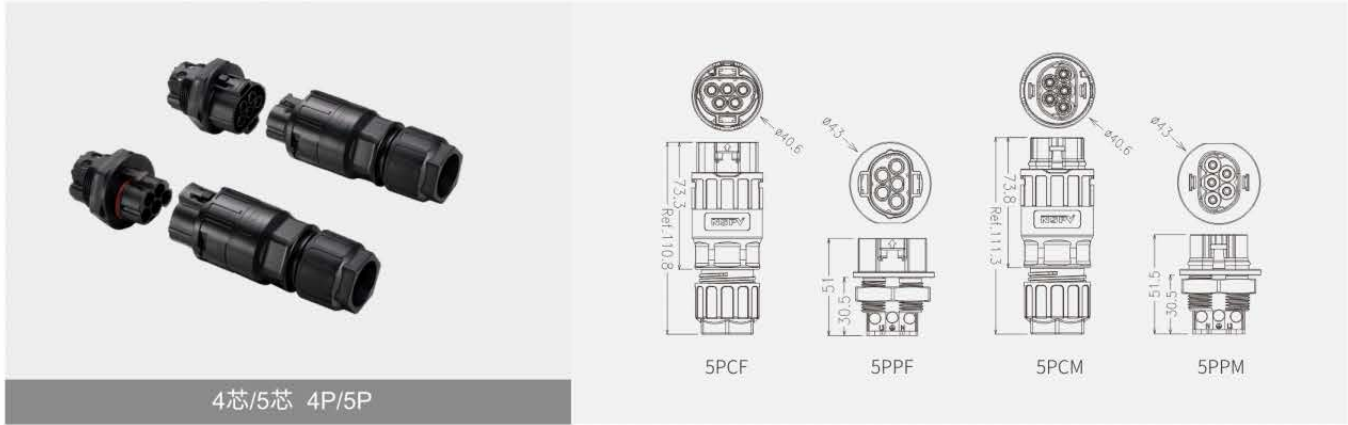
光伏AC连接器 I
PV AC CONNECTOR I

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光伏AC连接器 II

PV AC CONNECTOR II



产品规格 Product Specifications

绝缘材料 Insulation material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	500V AC	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	Max.65A(10sqmm)	绝缘电阻 Insulation resistance	≥1000 MΩ
测试电压 Test voltage	4KV	电线最大外径 Suitable cable OD Max.	Φ21mm
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	环境温度范围 Ambient temperature range	-40℃...+85℃(IEC)
金属导体材料 Contact material	铜,镀银 Copper,silver plated	连接方式 Connection mode	锁/铆接方式 Screw/crimping connection
防护等级 Degree of protection	IP68	连接端子的直径及数量 Diameter and numbers of contact pins	Ø4.0x2/3(2-3P) Ø4.0x4/5(4-5P)
产品颜色 Product color	黑色/Black	适配电线规格 Suitable cable cross sections	2.5~10mm²/14~8AWG

2芯/3芯防尘帽 2P/3PDust Cap



连接器安全锁扣 Connector safety latch



光伏AC连接器 I
PV AC CONNECTOR I



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 Copper,silver plated	铜,镀银 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 Screw/crimping connection	锁/铆接方式 Screw/crimping connection
连接端子的直径及数量 Diameter and numbers of contact pins	Ø2.6x2/3	Ø2.8x4/5
适配电线规格 Suitable cable cross sections	2.5~6mm²/14~10AWG	2.5~6mm²/14~10AWG

匠心连接 赋能绿色光伏



电线连接类

SOLAR CABLE

光伏直流电线1000V DC SOLAR DC CABLE 1000V DC	24
光伏直流电线1500V DC SOLAR DC CABLE 1500V DC	25
交流电缆 (3芯) AC CABLE (3 CORES)	26
2C+E电缆 2C+ E CABLE	27
光伏4.0线束带保险丝连接器 PV 4.0 CABLE ASSEMBLIES WITH FUSE	29
光伏线束 I PV CABLE ASSEMBLIES I	30
光伏线束 II PV CABLE ASSEMBLIES II	31
4进1出绝缘穿刺线夹 4 IN 1 INSULATION PIERCING CONNECTOR	32



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

产品规格 Specifications



导体Conductor		护套Jacket		导体电阻 Conductor Resistance
面积 Area(mm ²)	绞线外径 Stranded OD(mm)	外径 Diameter(mm)	颜色 Color	Max. (Ω/KM) (at 20°C)
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	1000V DC	
工作环境/Ambient temperature		°C	-40~+90	
最大导体温度/Max. conductor temperature		°C	+120	
短路电流温度/Short circuit temperature		°C	+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 Conductor material	镀锡退火软铜绞线 Soft annealed stranded tin-plated copper
绝缘材料 Insulation material	交联聚烯烃 Electron beam cross-linked material(XLPE)
护套材质 Jacket material	交联聚烯烃 Electron beam cross-linked material(XLPE)
参考标准 Applicable Standard	62930 IEC 131
印字标识 Identification Mark	TUV 62930 IEC 131 HALOGEN FREE LOW SMOKE 1×**mm² 1500V DC NSPV NewSun PV Technology Co.,Ltd
成品电缆耐压 Voltage test of finished cable	AC 6.5KV 5min,or DC 1.5KV 5min 不击穿 No break

产品规格 Specifications		
单芯 Single core	双芯 Dual-core	三芯 Three-core

导体Conductor		护套Jacket		导体电阻 Conductor Resistance
面积 Area(mm²)	绞线外径 Stranded OD(mm)	外径 Diameter(mm)	颜色 Color	Max. (Ω/KM) (at 20℃)
2.5	1.93	5.1±0.2	Black/red	8.21
4	2.49	5.5±0.2		5.09
6	3.01	6.2±0.2		3.39
10	4.05	7.2±0.2		1.95
额定电压/Rated voltage		V	1500V DC	
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 Conductor material	铜/CU				
绝缘材料 Insulation material	EPDM				
护套材质 Jacket material	PVC				
额定电压 Rated Voltage	300/500V				
整体尺寸(毫米) Overall dimension (mm)	6.4~15.5				
导体尺寸(毫米) 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			RV0.75mm²	RV1.5mm²	RV2.5mm²
产品规格 Specification			0.75mm²	1.5mm²	2.5mm²
导体 Conductor		材质 Material	CU	CU	CU
护套 Jacket	材质 Material		PVC	PVC	PVC
	外径 O.D.	mm	2.4	3.1	3.7
	颜色 Color		Black	Black	Black
额定电压 Rated Voltage		V	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



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

太阳能接地电缆

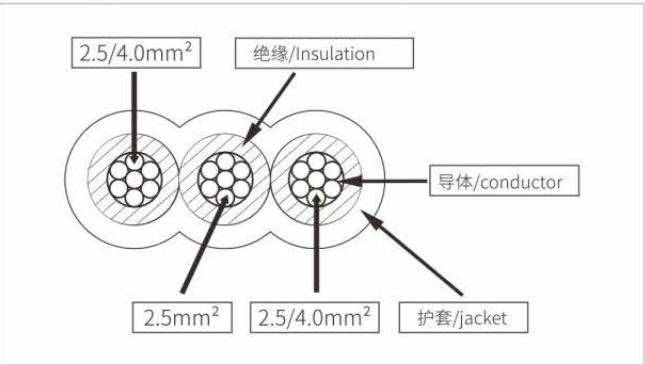
SOLAR EARTHING CABLE

- 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 真材实料
- 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 Product name	太阳能接地电缆 Solar Earthing cable
产品规格 Specification	4mm²x1C
应用范围 Scope of application	电力/Electricity
产品定制 Product customization	支持/Support

产品结构示意图 Construction Drawing



产品结构示意图 Construction Drawing



太阳能光伏保险丝线束

SOLAR CABLE HARNESS WITH FUSE

光伏线束

PV WIRING HARNESS

量身定制

TAILOR-MADE

T型/Y型/十字型/直通型等
各种类型可定制

便捷安装

EASY INSTALLATION

便捷更换保险丝
节省维护成本

为您的系统保驾护航

GUARD AND SUPPORT
FOR YOUR SYSTEM



阻燃防火



防水IP68



抗紫外线



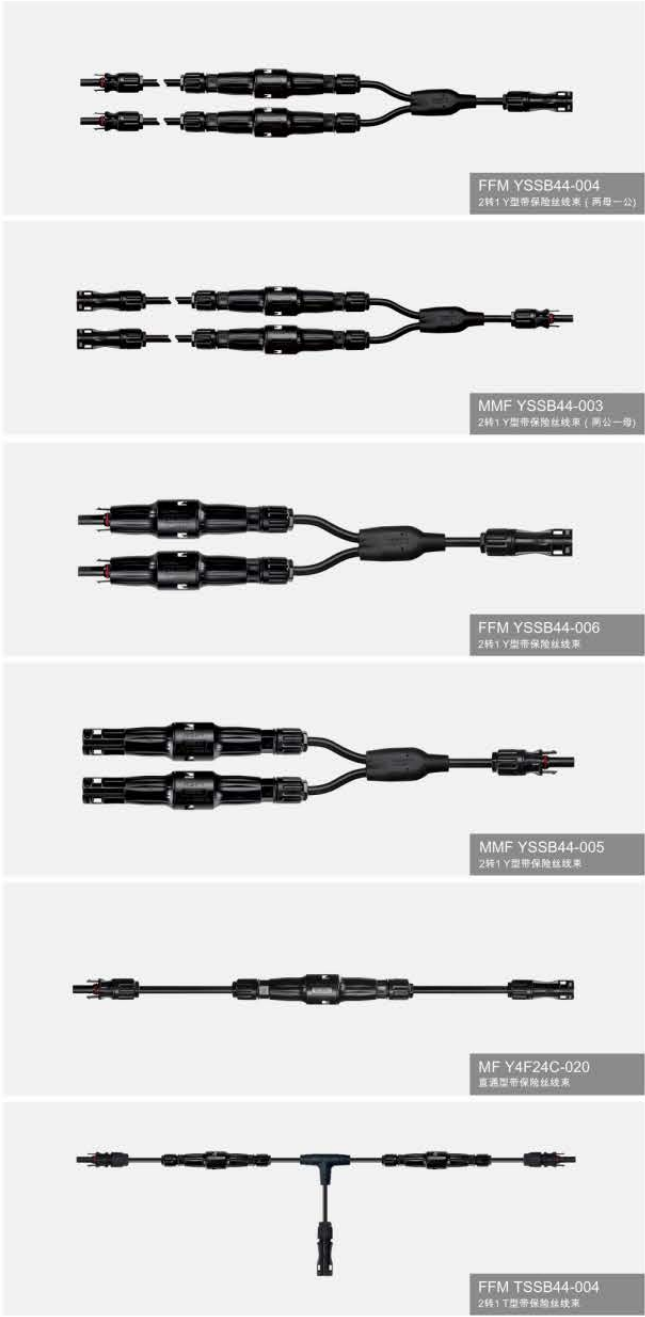
耐高低温

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 Insulation material	PPE/TPE/PA
额定电压 Rated voltage	1500V DC
额定脉冲电压 Rated impulse voltage	12KV
测试电压 Test voltage	8KV(50Hz,1min)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated
防护等级 Degree of protection	IP68
过压等级 Overvoltage category/Pollution degree	CATIII/2
安全等级 Safety degree	II
阻燃等级 Flame class	UL94-V0
插入力/拔出力 Insertion force/Withdrawal force	≤50N/≥50N
安装方式 Installation type	户外, 抗紫外线(F1) Outdoor,UV resistant(F1)
环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
符合标准 Regulatory approval	TUV/CE (IEC62852:2014)
适配电线规格 Suitable cable cross sections	1.5~10mm²/16~8AWG
温度上限 Upper limiting temperature	110°C(IEC)



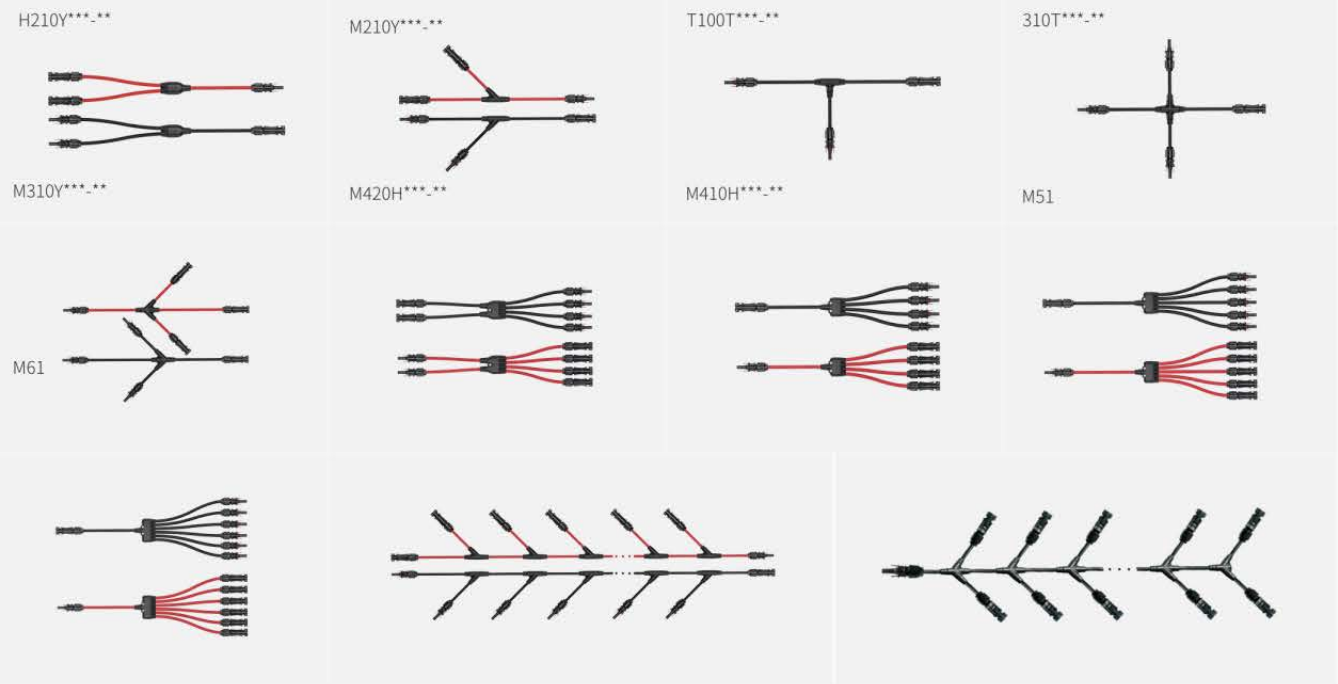
光伏线束 I
PV CABLE ASSEMBLIES I

- 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 Insulation material	PPE/TPE/PA	阻燃等级 Flame class	UL94-V0
额定电压 Rated voltage	1000V/1500V	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
额定脉冲电压 Rated impulse voltage	16KV	温度上限 Upper limiting temperature	110°C(IEC)
测试电压 Test voltage	6KV/8KV (50Hz,1min)	插入力/拔出力 Insertion force/Withdrawal force	≤50N/≥50N
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	安全等级 Safety degree	II
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	线材绝缘材质 Cable insulation material	XLPE
防护等级 Degree of protection	IP67/IP68	适配电线规格 Suitable cable cross sections	2.5~10mm²/14~8AWG
过压等级 Overvoltage category/Pollution degree	CATIII/2	电线导体材质 Cable conductor material	铜镀锡 Copper, tin plated



光伏线束 II

PV CABLE ASSEMBLIES II

电缆规格 Cable Cross Sections	1.5mm ² /2.5mm ² /4.0mm ² 6.0mm ² (14~10AWG)
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℃~+85℃
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

A40B40-*** 	A40B44-*** 	A40B4U-***
A40B4U-*** 	A40B41-*** 	A40B4O-***

PV 3.0 电缆线束/PV 3.0 Cable Assemblies

A40B3O-*** 	A40B33-*** 	A40B3U-***
A40B3U-*** 	A40B31-*** 	A40B3U-***

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

A40B4O-15*** 	A40B44-15*** 	A40B4U-15***
A40B4O15-*** 	A40B41-15*** 	A40B4U-15***

穿刺 | 免剥皮
线夹 | 快速分支

4in1 Piercing connector

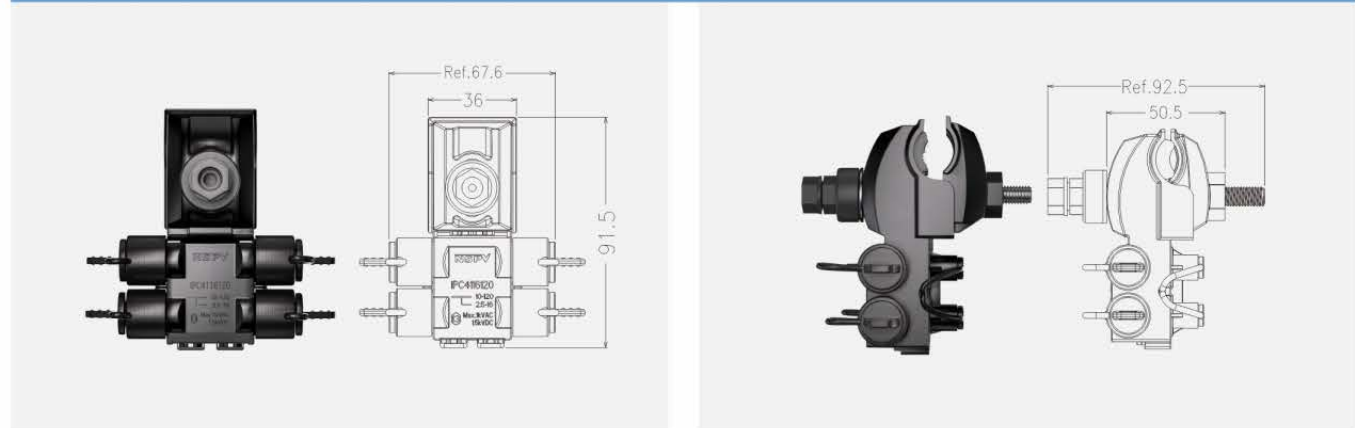


专利产品 · 品质保障 Patented product

产品规格 Product Specifications

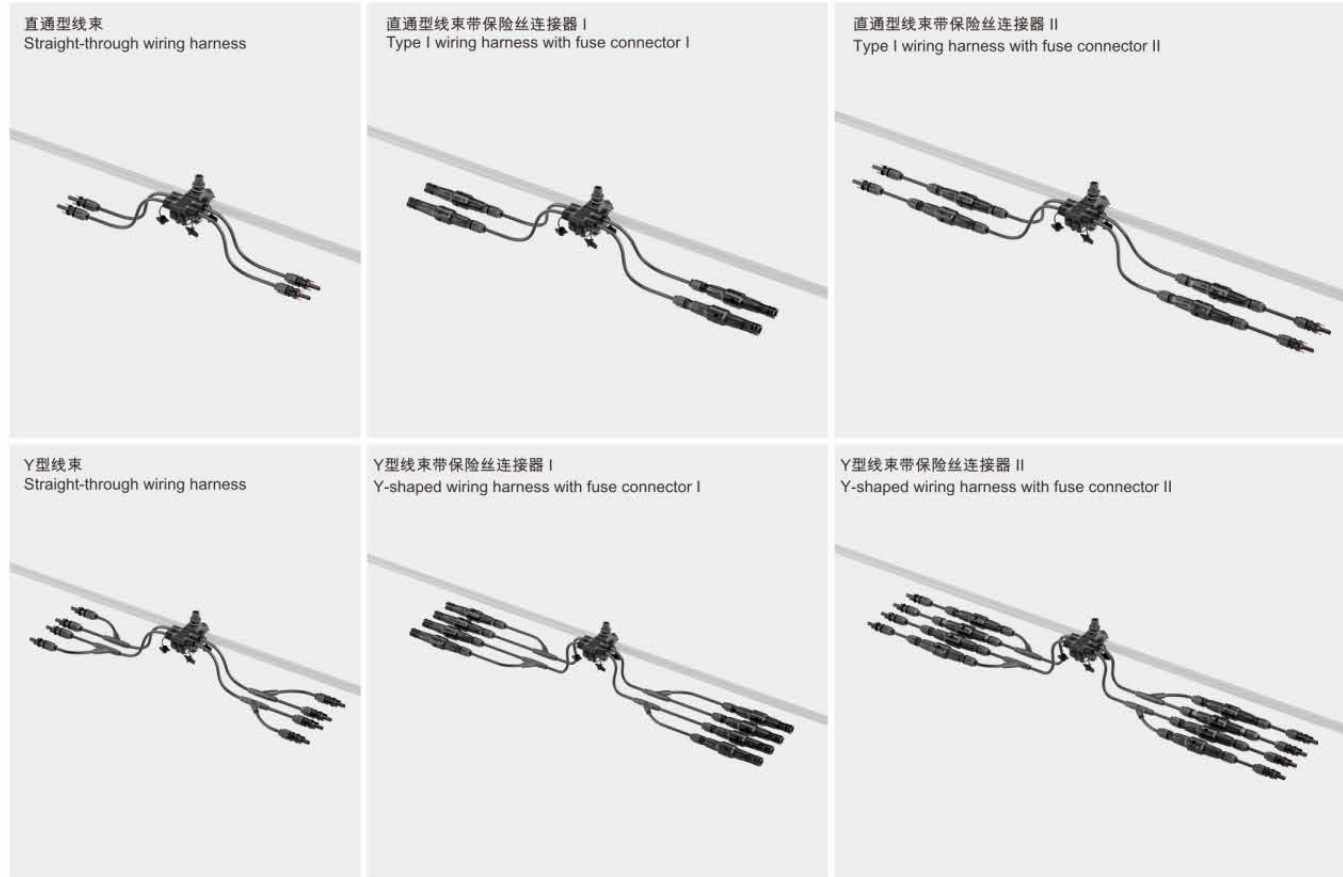
产品型号 Product model	IPC4116120	安装方式 Installation type	户外, 抗紫外线(F1) Outdoor,UV resistant(F1)
绝缘材料 Insulation material	PA+CU	阻燃等级 Flame class	UL94-V0
额定电压 Rated voltage	1500V DC/1000V AC	安全等级 Safety degree	II
适配电线规格 Suitable cable cross sections	Tap:2.5~16mm ² (OD Max.9.0) Main:10-120mm ²	连接方式 Connection mode	锁接 Lock connection
连接器接触电阻 Contact resistance	≤ 5 mΩ	环境温度范围 Ambient temperature range	-40℃...+85℃(IEC)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	螺栓锁紧力 Nut cap locking force	>8Nm
防护等级 Degree of protection	IP65	适用范围 Application	电力电站 Power station
Overvoltage category/Pollution degree 过压等级	CATIII/2	温度上限 Upper limiting temperature	110℃(IEC)

产品尺寸 Product Size

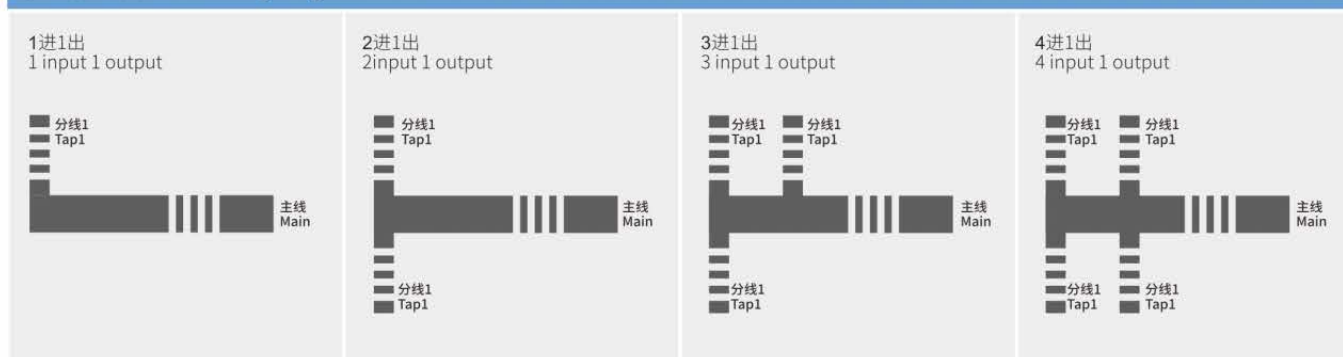


穿刺线夹线束

PV CABLE ASSEMBLIES II



接线原理图 Elementary diagram



光伏线束 PV CABLE ASSEMBLIES

为光伏电站量身定制光伏线束，省人工、省材料，安装简单快捷，性能稳定，后期维护方便，优化线路布局！

Tailored PV harness solutions for power plants — optimized layouts!



光伏配件系列

ACCESSORIES SERIES

配件系列

ACCESSORIES SERIES

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线缆夹

SOLAR CABLE CLIP

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太阳能接地线夹

SOLAR EARTHING CLAMP

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防水盖片

ROOF FLASHING

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配件系列
ACCESSORIES SERIES



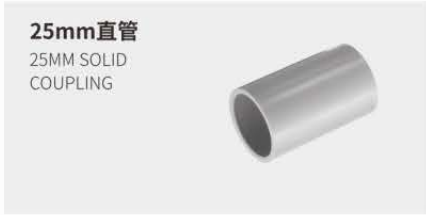
25mm波纹管-HD/MD 25MM CORRUGATED PIPE-HD/MD

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



25mm UPVC电工管 UPVC ELECTRICAL CONDUIT 25MM MD

材料 Material	UPVC	UPVC
硬度 Flexibility	硬管 Rigid	硬管 Rigid
工作制类型 Duty type	中密度 Medium duty	高密度 Heavy duty
颜色 Colour	灰色 Grey	橙色 Orange
壁厚 Wall Thickness	1.8mm	2.5mm
外径尺寸 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	2.5m
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 Construction 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

M25 connector
M25多孔接头



螺牙规格 Screw specification	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 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 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



太阳能接地线夹

SOLAR EARTHING CLAMP

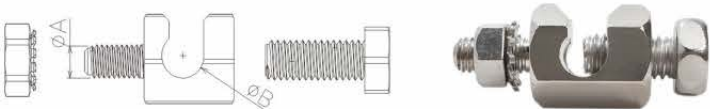
- User-friendly design and easy installation
人性化设计安装简易
- Suitable for C-type/ U steel and H-type channel steel
适合各种光伏发电板C型/U型钢及H型钢槽钢等
- Tinned copper material, durable
铜镀锡材质, 经久耐用
- Stainless steel screw, anti-rust anti-corrosion
不锈钢螺丝防锈防腐
- Support customization, short delivery time
支持定制 货期短



产品参数/Product parameter

产品型号 Product Model	L08001-***
产品材质 Product Material	铜/304不锈钢 Copper/SUS304
产品颜色 Product Color	白色White
支架的厚度范围 Frame Thickness Range	0.8-4.5mm
环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
使用寿命 Warranty	25年 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	1.5-16mm ²
L08001-002	4	5.5	1.5-10mm ²
L08001-003	6	10	6-35mm ²
L08001-004	12	15	16-70mm ²

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 - 40 degrees to 115 degrees
可承受极端气温-40度至115度
- No crease, no leakage
不产生褶皱, 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 Product Model	L07001-***
产品材质 Product Material	硅橡胶 Silicon rubber
产品颜色 Product Color	黑色/红色/灰色 Black / Red / Gray
产品外缘 Product Rim	铝合金 Aluminium alloy
产品厚度 Product Thickness	1.5-2.0mm
使用寿命 Warranty	25年 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。



光伏接线盒

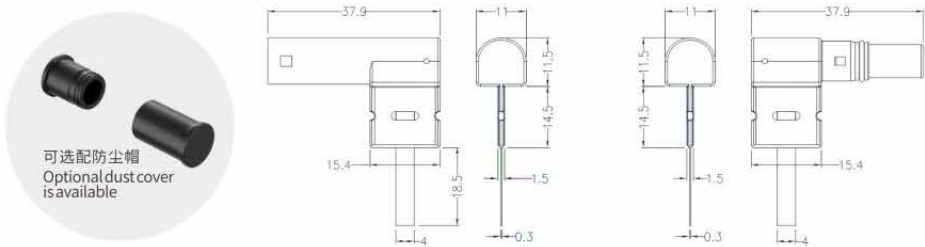
PV JUNCTION BOX

EC1A接线盒 EC1A JUNCTION BOX	40
光伏小型接线盒 PV MINI JUNCTION BOX	40
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EC03边接线盒 EC03 EDGE CONNECTOR	46



EC1A接线盒

EC1A JUNCTION BOX



产品规格 Product Specifications

绝缘材料 Insulation material	PA/CU	安全等级 Safety degree	II
额定电压 Rated voltage	1000V/1500V DC	阻燃等级 Flame class	UL94-V0
额定脉冲电压 Rated impulse voltage	16KV	二极管数量 Diode Number	No
测试电压 Test voltage	8KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	连接方式 Connecting system	Soldering for Ribbon Plug-in for connector
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	电缆外径(mm) Range of cable gland(mm)	O.D.:6.0
保护等级 Degree of protection	IP65/IP67	参考标准 Reference standard	IEC62852
过压等级 Overvoltage category/Pollution degree	CATIII/2	安装方式 Installation type	户外, 抗紫外线(F1) Outdoor,UV resistant(F1)

光伏小型接线盒

PV MINI JUNCTION BOX



产品规格 Product Specifications

绝缘材料 Insulation material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1000V (IEC)	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	20A	二极管数量 Diode Number	No
测试电压 Test voltage	6KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	适配电线规格 Suitable cable cross sections	2.5/4.0mm ²
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	电缆外径(mm) Range of cable gland(mm)	O.D.:5.5
防护等级 Degree of protection	IP67(In potting)	温度上限 Upper limiting temperature	110°C(IEC)
汇流条连接 Connection of bus ribbons	焊接Solder	汇流条尺寸 Ribbons size(mm)	6.5(W)*0.2-0.8(T)



PV-NEHP01接线盒

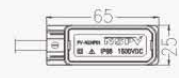
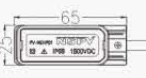
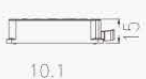
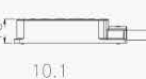
PV-NEHP01 JUNCTION BOX

- Flame retardant material
采用绝缘阻燃材质
- Small and beautiful appearance
体积小 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 BOX Material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1500V DC	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	22A(With diode 30A) 35A(With diode 50A)	二极管数量 Diode Number	Each 1PC
测试电压 Test voltage	8KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	适配电线规格 Suitable cable cross sections	2.5-6mm ² (14-10AWG)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	电缆外径(mm) Range of cable gland(mm)	O.D.:6.0
防护等级 Degree of protection	IP68(In potting)	温度上限 Upper limiting temperature	110°C(IEC)
汇流条连接 Connection of bus ribbons	焊接Solder	汇流条尺寸 Ribbons size(mm)	Max.8(W)*0.2-0.5(T)

产品尺寸 Product Size

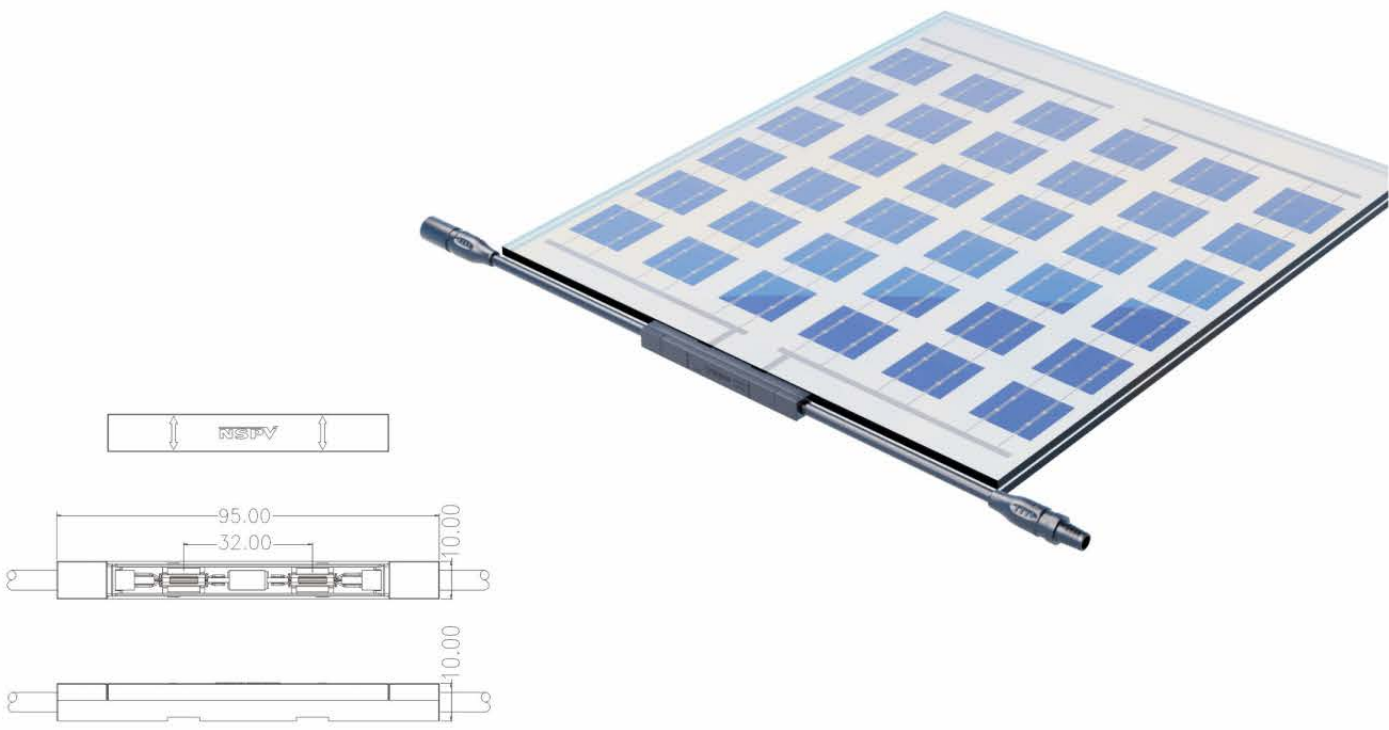
母连接器 Female	接线盒 Junction Box			公连接器 Male
				
				
				



薄膜专用接线盒

BIPV JUNCTION BOX

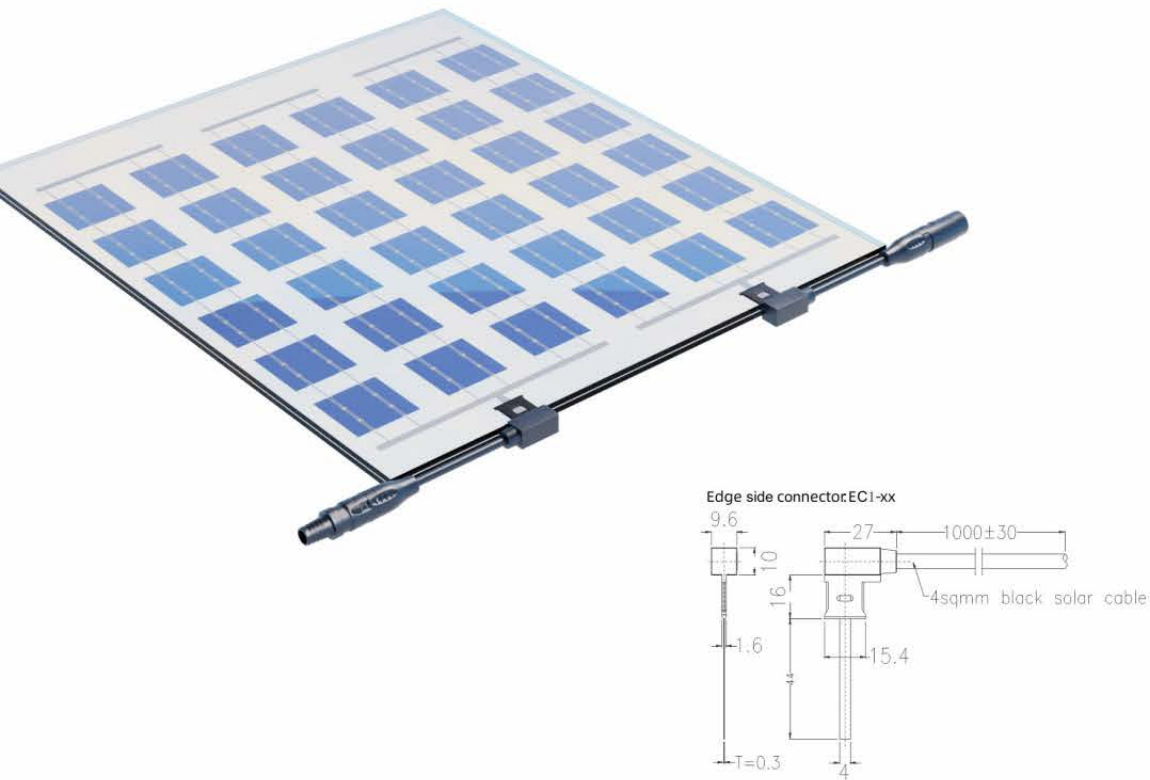
产品规格 Product Specifications			
接线盒本体材料 BOX Material	PPE/PA	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	14A(Diode 20A) 18A(Diode 25A)	过压等级 Overvoltage category/Pollution degree	CATIII/2
额定电压 Rated voltage	1500V DC	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
测试电压 Test voltage	6KV(50Hz,1min)	适配电线规格 Suitable cable cross sections	2.5~4mm ²
接触电阻 Contact resistance	≤ 0.25 mΩ	二极管数量 Diode Number	Each 1PC
导体材料 Contact material	铜,镀锡 Copper,Tin plated	温度上限 Upper limiting temperature	110°C(IEC)
防护等级 Degree of protection	IP68(In potting)	电缆外径 Range of cable gland(mm)	O.D.:5.5
安全等级 Safety degree	II	汇流条尺寸 Ribbons size(mm)	6(W)*0.2-0.4(T)



薄膜专用(单体)接线盒

BIPV SINGLE JUNCTION BOX

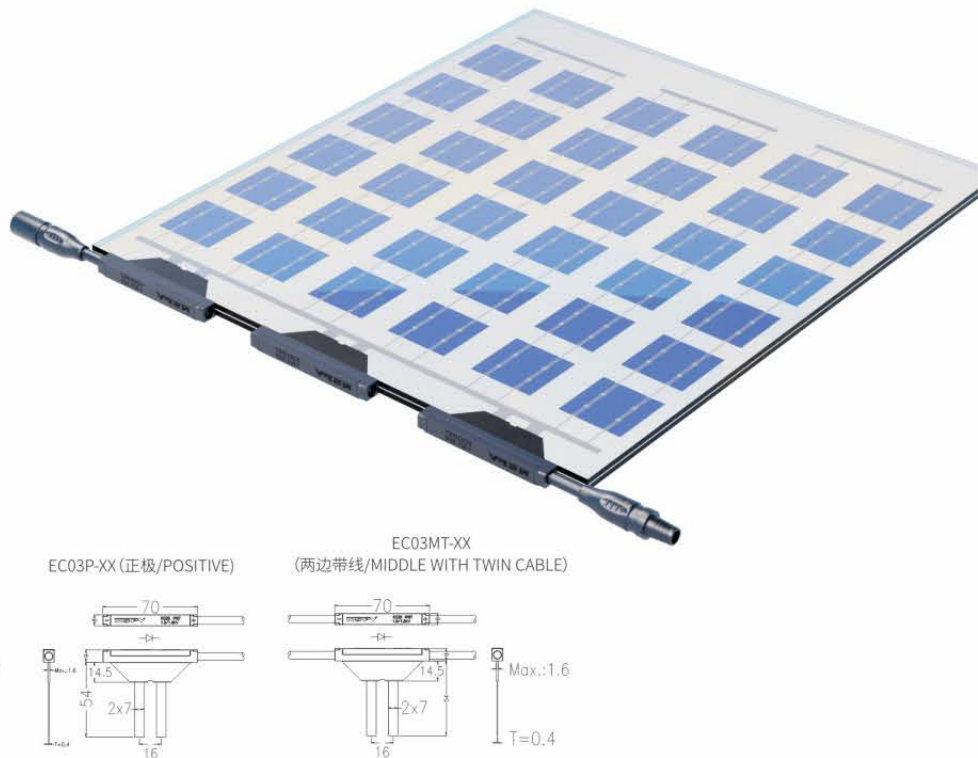
产品规格 Product Specifications			
绝缘材料 Insulation material	PPE/PA	安全等级 Safety degree	II
额定电压 Rated voltage	1500V (IEC)	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	14A(Diode 20A) 18A(Diode 25A)	二极管数量 Diode Number	Each 1PC
测试电压 Test voltage	6KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	适配电线规格 Suitable cable cross sections	2.5/4.0mm ²
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	电缆外径(mm) Range of cable gland(mm)	O.D.:5.5
防护等级 Degree of protection	IP68(In potting)	温度上限 Upper limiting temperature	110°C(IEC)
汇流条连接 Connection of bus ribbons	压接 Clamp	汇流条尺寸 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 Insulation material	PA/CU	保护等级 Degree of protection	IP68(In potting)
额定电压 Rated voltage	1000V/1500V DC	适配电线规格 Suitable cable cross sections	2.5~4mm²/14~12AWG
额定脉冲电压 Rated impulse voltage	16KV	安全等级 Safety degree	II
测试电压 Test voltage	6KV/8KV(50Hz,1min)	阻燃等级 Flame class	UL94-V0
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	安装方式 Installation type	户外, 抗紫外线(F1) Outdoor,UV resistant(F1)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
防护等级 Degree of protection	IP68(In potting)	温度上限 Upper limiting temperature	110°C(IEC)
连接方式 Connection mode	焊接 Soldering	产品颜色 Product color	黑色 Black



EC03边接线盒

EC03 EDGE CONNECTOR

产品规格 Product Specifications			
接线盒本体材料 BOX Material	PA/CU	安全等级 Safety degree	II
额定电压 Rated voltage	1000V/1500V DC	阻燃等级 Flame class	UL94-V0
额定电流 Rated current	Max.15A(Diode 20A) Max.20A(Diode 30A)	二极管数量 Diode Number	Each 1PC
测试电压 Test voltage	8KV(50Hz,1min)	环境温度范围 Ambient temperature range	-40°C...+85°C(IEC)
连接器接触电阻 Contact resistance	≤ 0.25 mΩ	适配电线规格 Suitable cable cross sections	2.5~4mm²/14~12AWG
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	电缆外径(mm) Range of cable gland(mm)	O.D.:5.5
防护等级 Degree of protection	IP67(In potting)	温度上限 Upper limiting temperature	110°C(IEC)
汇流条连接 Connection of bus ribbons	焊接 Soldering	汇流条尺寸 Ribbons size(mm)	2x7.0

光伏汇流箱

PV COMBINER BOX

汇流箱 COMBINER BOX	49	小型断路器防水盒 MCB ENCLOSURE BOX	54
NSPV光伏并网箱 NSPV PV Grid Distribution Box	50	小型断路器锁 MCB LOCKOUT	54
DC1000V光伏保险丝座 1000VDC DIN RAIL FUSE HOLDER	51	直流塑壳断路器 DC MCCB	55
DC1500V光伏保险丝座 1500VDC DIN RAIL FUSE HOLDER	51	光伏防雷电涌保护器 PV SURGE PROTECTIVE DEVICE (SPD)	56
DC1500V光伏保险丝座 1500VDC DIN RAIL FUSE HOLDER	52	TB接线座2-20P TB TERMINAL BLOCK 2-20P	56
光伏发电保护用熔断器DC1000V SOLAR FUSE DC1000V	52	NSI01-32P光伏隔离开关 NSI01-32P SOLAR ISOLATOR SWITCH	57
光伏发电保护用熔断器DC1500V SOLAR FUSE DC1500V	53	DC开关 DC SWITCH	58
交流小型断路器 AC MINIATURE CIRCUIT BREAKER	53	AC开关 AC SWITCH	58
直流小型断路器 DC MINIATURE CIRCUIT BREAKER	54		

ITERATIVE DC PV COMBINER BOX

迭代直流光伏汇流箱



◆ 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.



◆ 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



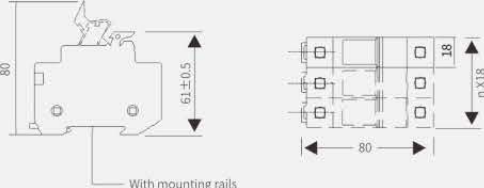
产品规格 Product Specifications

技术数据 Technical data	2-32路输入2-32 Strings Combiner Boxes
材料 Material	PPO/PC/Metal + 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 ² -25mm ²)
连接直流输入电缆(-) Connection DC input cables (-)to	Fuse holder(0.75mm ² -25mm ²)
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)	4-150mm ²
最大输出断路器电流(A) Max. output circuit breaker current(A)	63A-800A

环境条件 Ambient condition	
工作温度 Working temperature	-25°C~50°C
储存温度 Storage temperature	-40°C~70°C
海拔高度 Above sea level	≤2000m(海拔2000m以上需降容) 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 Input 1~2 route, output 1route
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

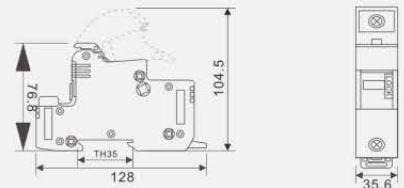
1000V DC DIN RAIL FUSE HOLDER

产品规格 Product Specifications			
产品型号 Part No.	NSFU30-001	产品极数 Poles	1/2/3
绝缘材料 Insulation material	PA	保险丝数量 Number of fuses	1/2/3
额定电压 Rated Voltage	1000V DC	保险丝尺寸 Fuse size	10x38
额定电流 Rated current	MAX:32A	导线范围 Wire range	1-10mm ²
产品尺寸 Product Size			
			



DC1500V光伏保险丝座

1500V DC DIN RAIL FUSE HOLDER

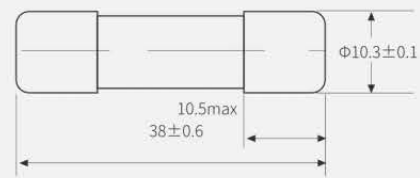
产品规格 Product Specifications			
产品型号 Part No.	NSPV2258H	产品极数 Poles	1P
扭矩力值 Torque	2.5Nm	工作类型 Class of Operation	gPV
额定电压 Rated Voltage	1500V DC	保险丝尺寸 Fuse size	22×58
额定电流 Rated current	MAX:100A	适配线规 Wire	1.5-25mm ²
产品尺寸 Product Size			
			



DC1000V光伏保险丝座

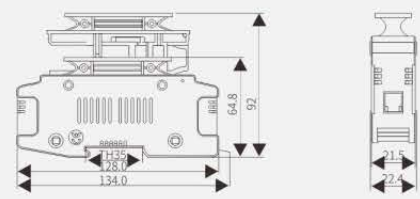
1000V DC DIN RAIL FUSE HOLDER



产品规格 Product Specifications			
产品型号 Product model	NSPV-25	额定电压(V) Rated Voltage	1000V DC
外形尺寸 Overall dimension	10x38	额定电流(A) Rated current	1-30A
产品尺寸 Product Size			
			

DC1500V光伏保险丝座

1500V DC DIN RAIL FUSE HOLDER

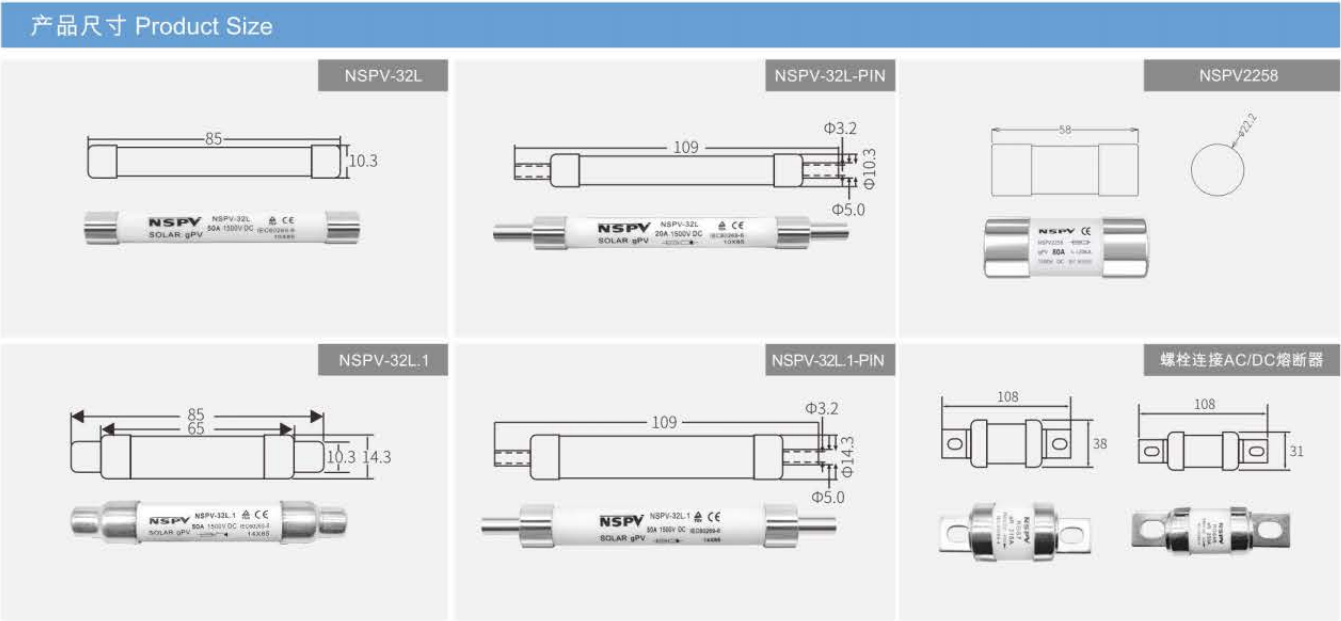
产品规格 Product Specifications			
产品型号 Part No.	NSPV-63T	绝缘材料 Insulation material	PA
绝缘材料 Insulation material	PA	金属导体材料 Contact material	铜, 镀锡 Copper, Tin plated
额定电压 Rated Voltage	1500V DC	保险丝尺寸 Fuse size	10x85 or 14x85
额定电流 Rated current	MAX:50A	测试电压 Test voltage	AC3kV
产品尺寸 Product Size			
			



光伏发电保护用熔断器DC1500V

SOLAR FUSE DC1500V

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



交流小型断路器

AC MINIATURE CIRCUIT BREAKER

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



直流小型断路器

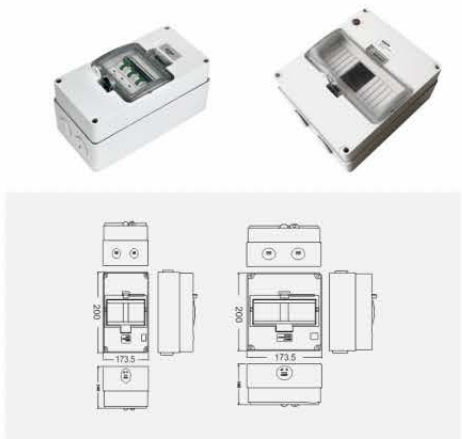
DC MINIATURE CIRCUIT BREAKER

产品规格 Product Specifications			
产品型号 Part No.	NL7-63	产品极数 Poles	1P/2P/3P/4P
曲线类型 Curve type	B/C	极限分段能力Icu Ultimate breaking capacity Icu(kA)	6
额定电压(V) Rated Voltage(V)	250V/500V/750V/800V/1000V/1200V		
额定电流 Rated current	1A,2A,3A,4A,5A,6A,10A,16A,20A,25A,32A,40A,50A,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 Could match with surge arrester	YES	
是否有断路器 Could match with circuit breaker	YES	
是否配有保险丝座 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 Inm	125	400	800
额定电流 Rated current/In(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 Ue(V)DC	250V/500V/750V/1000V	500V/750V/1000V/1500V	500V/750V/1000V/1500V
额定绝缘电压 Rated Insulation Voltage Ui(V)	1000V	1000V	1000V/1200V
额定冲击耐受电压 Rated impulse withstand voltage Uimp(kV)	8KV	8KV	8KV
是否具有隔离特性 Whether with isolation features	YES		
标准 Standard	IEC 60947-2/IEC 60947-1/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	≥50		
飞弧距离 Flashover distance (mm)	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		
瞬时动作值 Instantaneous operation	20In		
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	Un	1000V DC
最大持续工作电压 Max.continuous d.c. voltage[(L+/L-)->PE]/[L+>L-]	Ucpv	1060V DC
最大放电电流(8/20 μs) Maximum discharge current (8/20 μs)	I _{max}	40kA
标称放电电流(8/20 μs) Nominal discharge current (8/20 μs)	I _n	20kA
电压保护水平 Voltage protective level at I _n	Up	≤3.6kV
防护等级 Degree of protection	IP20	
外壳材料 Housing material	Thermalplastic UL94-V0	
适配电线规格 Cable cross sections	10-35平方, cable size 10-35sqmm By screw terminal:10-35mm² By connection bus	



NSPV2-40H

TB接线座2-20P

TB TERMINAL BLOCK 2-20P



产品参数 Product parameter	
型号 Model	TB-01
绝缘材料 Insulation material	PBT
额定电流/电压(直流) Rated current/Voltage(DC)	Max.:50A/1000V DC
额定电流/电压(交流) Rated current/Voltage(AC)	Max.:60A/690V AC
测试电压 Test voltage	4KV(50Hz,1min)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated

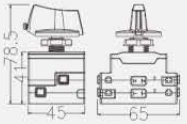
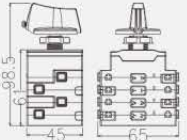
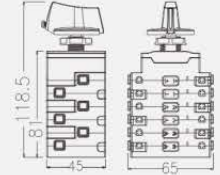
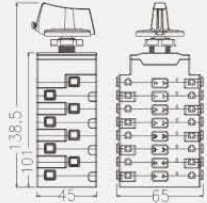
NSI01-32P光伏隔离开关

NSI01-32P SOLAR ISOLATOR SWITCH

本产品应用于光伏系统中,使用电压可达到1500V DC。
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 Model No.			NSI01-32 1000VDC 32A	NSI01-32 1200VDC 26A	NSI01-32 1500VDC 20A
额定电压 Rated voltage	Ue	V	1000	1200	1500
额定电流 Rated current	Ie	A	32	26	20
额定发热电流 Rated Heating current	Ith	A	32		32
额定绝缘电压 Rated insulation voltage	Ui	V		1500	
安装方式 Installation method	Panel Type				
IP等级 IP level	IP20				
电寿命 Electric life	time		2000		
机械寿命 Mechanical life	time		20000		
环境温度 Ambient temperature	℃		-25℃~+75℃		

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

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 (mm²)
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

光伏安装工具

PV INSTALLATION TOOLS

光伏安装工具
PV INSTALLATION TOOLS

60

光伏警示牌
PV SOLAR LABEL

61



光伏安装工具

PV INSTALLATION TOOLS

- Suitable for cable cross sections 1.5 /2.5/ 4/ 6/ 10/16mm².
适用于截面积为1.5 /2.5/ 4/ 6/ 10/ 16mm²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。



压线钳参数 Product parameters

型号 Model	口模类型 Type	线缆尺寸 Cable Size (mm ²)	铆接端子规格 Contact pins specification	产品图片 Product image
L02001-***	Mold A	1.5/2.5/4.0/6.0/10.0	1.5/2.5/4.0/6.0/10.0mm ² 冲压端子 stamping pins 1.5/2.5/4.0/6.0/10.0mm ² 车件端子 lathing pins	
	Mold B	1.5/2.5/4.0/6.0	1.5/2.5/4.0/6.0mm ² 冲压端子 stamping pins 1.5/2.5/4.0/6.0mm ² 车件端子lathing pins	
	Mold C	1.5/2.5/4.0/6.0/10.0	1.5/2.5/4.0/6.0mm ² 冲压端子 (stamping pins) 1.5/2.5/4.0/6.0/10.0mm ² 车件端子 (lathing pins)	
L02002-001	Mold D	10.0/16.0	10/16mm ² 车件端子 (lathing pins)	

其它配件 Other accessories

 L06001-*** 剥线钳/Wire stripper	 L03001-*** 剪线钳/Wire cutter	 L05001-*** 螺丝刀/Screwdriver	 L04001-5*** 扳手E/Spanner E
 L04001-*** 扳手A/Spanner A	 L04001-2*** 扳手B/Spanner B	 L04001-3*** 扳手C/Spanner C	 L04001-4*** 扳手D/Spanner D

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

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

光伏逆变器标准停机检修程序

逆变器面板执行停机操作
断开交流并网开关
断开直流输入开关
逐路断开汇流箱各支路开关
验电、挂接地线、上锁挂牌
方可开盖检修

直流输入总开关

严禁带负荷分闸
合闸顺序：先直流→后交流
分闸顺序：先交流→后直流
高压危险非运维人员禁止操作

逆变器并网输出开关

禁止擅自合闸并网
并网需经调度许可

汇流箱总输出开关
断电检修上锁挂牌
严禁带电开盖

逆变器标准开机程序

1、检查光伏方阵、汇流箱无故障无破损
2、依次合上汇流箱各支路开关
3、闭合汇流箱总输出开关
4、合上逆变器直流侧开关，待电压稳定
5、合上逆变器交流侧开关
6、面板本地开机，待机正常并网运行

逆变器
交流并网开关

低压配电箱
进线总开关

汇流箱
总输出开关

直流输入
总开关

逆变器开机
确认空载后再启动

逆变器停机
先解网再停机

直流隔
离开关

配电箱
分路出线开关

汇流箱
单支路开关

光伏方阵支路
额定DC1000V
检修必须断开开关+挂接地线

逆变器
供电

检修
插座

站内
照明

辅助
电源

高压危险

危险

维修前必须
挂牌、上锁

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-ENERGISE 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
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