



PV4光伏系列 PV4 photovoltaic series

PV4光伏系列

工作电压可达1500VDC, 工作温度-40°C至+85°C, 产品重复插拔次数可达100次以上, 外壳采用高性能PPO工程塑料, 保证产品具有可靠的电气性能及抗高温冲击, 同时导体部件采用高导电性铜合金, 最高工作电流可达65A, 高温环境下仍可满足产品温升要求。

The working voltage can reach up to 1500VDC, and the working temperature ranges from -40°C to +85°C. The product can be repeatedly plugged and unplugged over 100 times. The casing is made of high-performance PPO engineering plastic, ensuring reliable electrical performance and resistance to high and low temperature shock. Meanwhile, the conductor components are made of high-conductivity copper alloy, with a maximum working current of 65A. It can still meet the temperature rise requirements of the product in high-temperature environments.

- 公母连接器锁紧采用双弹片卡钩设计
- 防护等级IP68
- 抗UV等优异的耐环境性能
- 具有快速连接、锁紧安全牢固等优点
- 符合GB/T33765、TUV/IEC62852等地面光伏系统标准

- It adopts a double shrapnel hook design
- Protection grade: IP68
- Excellent environmental resistance performance such as UV resistance
- It has the advantages of quick connection, safe and firm locking
- It complies with ground photovoltaic system standards such as GB/T33765 and TUV/IEC62852

技术数据

性能指标	性能参考	
工作电压	1000V DC/1500V DC	
工作电流接线规格	UL 14AWG: 15A	TUV 2.5mm²: 25A
	UL 12AWG: 20A	TUV 4mm²: 35A
	UL 10AWG: 30A	TUV 6mm²: 45A
	UL 8AWG: 50A	TUV 10mm²: 65A
耐电压	8000V DC	
脉冲耐压	16KV (1.2/50us)	
接触电阻	0.5mΩ Max	
绝缘阻抗	500MΩ Min	
防护等级	IP68 (1M/2H)	
阻燃等级	UL94 V-0	
工作温度	-40℃~+85℃	
插拔寿命	>100	
使用寿命	25年	
符合认证	TUV/IEC62852	
环保认证	RoHS/REACH	
接线线径范围	5-7.8mm	

材料及工艺

部件名称	材料规格
主壳体	PPO
导体	铜合金镀锡
锁紧螺母	PPO
线夹	PA
固定卡环	不锈钢
密封件	硅橡胶

NW-PV4F-120XX1 PV4线端母插头



NW-PV4M-121XX1 PV4线端公插头 工具解锁



NW-PV4M-122XX1 PV4线端公插头 手工解锁



NW-PV4F-110XX1 PV4面板式母插头



NW-PV4M-111XX1 PV4面板式公插头 工具解锁



NW-PV4M-112XX1 PV4面板式公插头 手工解锁



NW-PV4-XXXXXX PV4带保险丝转接头

