

**PV-SY02 连接器**  
**PV-SY02 Connector**



正极头 / Positive Electrode



负极头 / Negative Electrode

**特性 / Properties:**

- 安全可靠，安装便捷，外形简洁无缺陷。  
Safe, Reliable, Easy to assembly,  
Simple and high quality.
- 防紫外线辐射，防酸碱腐蚀，防恶劣天气。  
UV-resistant, Acid and alkali-resistant,  
Weather-resistant.
- 高级别防尘，防水及防火保护。  
High level of dust protection,  
Waterproof and fireproof.

**技术指标**  
**Technical Index**

**连接器规格 / Connector Specification:**

连接器尺寸 (长 * 宽)	Φ19mm x 76mm F
Connector Dimensions (H*W)	Φ19mm x 71mm M
总质量 (含接线端子)	30 g
Total Weight (Including Terminal Blocks)	
认证资质标志	TÜV / CSA
Product Certification And Certification Marks	
预接电缆线直径	2.5mm <sup>2</sup> / 4mm <sup>2</sup> / 6mm <sup>2</sup> / 10mm <sup>2</sup>
Preconnect Cable Diameter	8AWG
塑壳材质 (RTI)	PC 115
Plug Housing Material (RTI)	
导电端子材质	铜 / Copper
Receptacle Contact Material	
阻燃等级	UL94-VO
Flame Retardant Grade	
保护等级	IP68
Protection Degree	
使用温度范围	-40°C ~ 85°C
Temperature Range	

**连接器性能 / Connector Performance:**

系统电压	1500 V DC
Max.System Voltage	
额定脉冲电压	16000 V
Rated Impulse Voltage	
额定绝缘电压	8000 V
Rated Insulation Voltage	
额定电流	55 A (6 mm <sup>2</sup> / 8AWG)
Rated Current	
静态电阻	≤ 5 mΩ
Static Resistance	
带电导体耐电压	1.8 KV / 1mA / 1 min
Live Conductor Voltage Withstand	
湿漏电流	< 10 uA
Wet Leakage Current	
连接器正负极接触电阻	< 0.45 mΩ
Contact Resistance	

**插拔力参数**

**Insertion and Withdrawal Information:**

电缆接头旋开扭矩	≥ 1.2 N.m
Loosening Torque	
4mm <sup>2</sup> 电缆线接头铆紧后拔开力	≥ 310 N
Withdrawal Force After Connect With 4mm <sup>2</sup> Cable Line	
连接器对接时插入力	20N < F < 80N
Insertion Force	
连接器对接后拔开力 (自锁状态)	≥ 100 N
Withdrawal Force(Auto Lock Status)	

