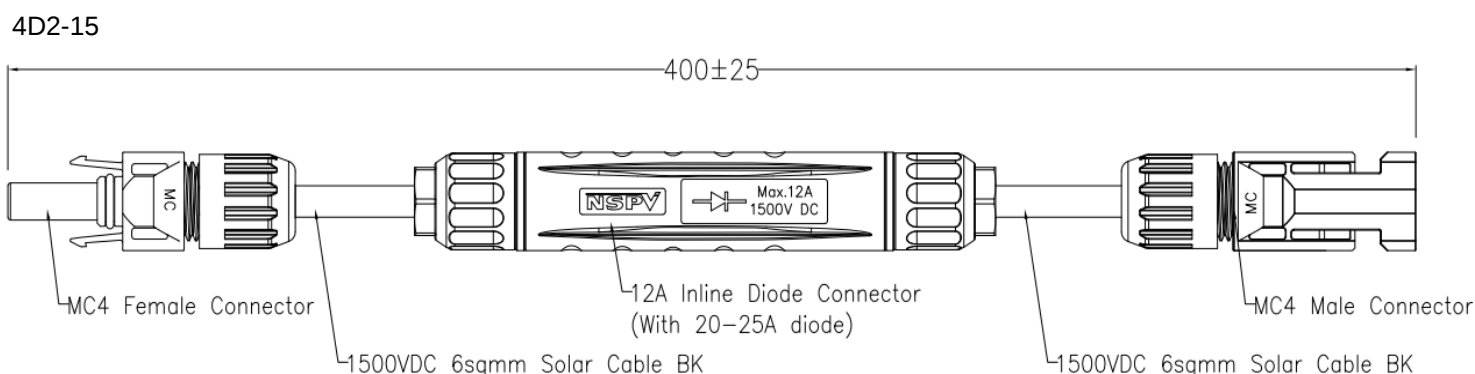


光伏4.0二极管连接器 PV 4.0 Diode Connector

产品规格 Product Specifications

绝缘材料 Insulation material	PPE/PA	过压等级 Overvoltage category/Pollution degree	CATIII/2
额定电流 (不含二极管) Rated current (Without diode)	30A	安全等级 Safety degree	II
额定电流(含二极管) Rated current (With Diode)	12A (Diode Rated Current 25A)	阻燃等级 Flame class	UL94-V0
额定电压 Rated voltage	1500VDC	插入力/拔出力 Insertion force/Withdrawal force	≤ 50N / ≥ 50N
测试电压 Test voltage	8kV(50Hz,1min) Without diode	环境温度范围 Ambient temperature range	-40℃...+85℃(IEC)
连接器接触电阻 Typical contact resistance	≤ 0.25 mΩ	温度上限 Upper limiting temperature	110℃(IEC)
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	连接方式 Connecting system	压接 Crimp connection
保护等级 Degree of protection	IP67		

图示: Drawing:



*建议最高使用环境温度为75摄氏度，且在75-85摄氏度下使用不能超过8小时。

*Recommended that the Max ambient temperature is 75℃, and not exceed 8 hours in 75-85℃.

二极管规格: Diode Specification:

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25℃ unless otherwise noted)			
PARAMETER	SYMBOL	P2500Y	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	2000	V
Maximum RMS voltage	V _{RMS}	1700	V
Maximum DC blocking voltage	V _{DC}	1900	V
Maximum average forward rectified current	I _{F(AV)}	25	A
Peak forward surge current, 10 ms single half sine-wave superimposed on rated load	I _{FSM}	650	A
Rating for fusing, t<10ms	I ² t	2100	A ² s
Maximum instantaneous forward voltage (Note 1) @ 5 A	V _F	0.88	V
Maximum reverse current @ rated V _R T _J =25℃	I _R	5	μA
Typical thermal resistance	R _{θJL}	0.5 (Note 2)	℃/W
		3.0 (Note 3)	
Operating junction temperature range - in DC forward mode	T _J	- 50 to +175 ≦ 200	℃
Storage temperature range	T _{STG}	- 55 to +175	℃