

PDS1-45M DC-DC PV CHARGER



SPECIFICATION

PDS1-45M	
Power Level	
Rated Power	45kW
PV Side	
Maximum Input Voltage	830V
Start-up Voltage	250V
MPPT Voltage Range	200~750 (430~750 @full load) V
Number of MPPT	3
Maximum Input Current of each MPPT	35A/35A/35A
DC Bus Side	
Maximum Output Voltage	830V
Working Voltage Range	700V-830V
Rated Current	65A
Maximum Working Current	75A
Protections	
PV Reverse Connection Protection	Yes
Insulation Impedance Detection	Yes
PV Side Switch	Yes
Temperature Protection	Yes
DC Arc Detection	Optional
PID Repairment	Optional
PV SPD	L2 Lightning Protection
Bus SPD	L2 Lightning Protection
General Specification	
Dimension(W*H*D)	440*175*580mm
Cooling	Forced Air Cooling
Weight	24kg
Communication	RS485
Operation Altitude	3000m(>3000m derating)
Humidity	0-95%
Temperature	-20℃~60℃
Noise	≤70dB
IP Rating	IP66
DC Bus terminal	OT
PV Terminal	MC4
Display	LED
Installation	Wall Mounting/ Module
Safety Certification	IEC62109-1, UL 1741

FEATURES

01 FLEXIBLE CONFIGURATION

- Compatible with 19-inch rack for easy installation & installation.
- Modular design.

02 HIGH EFFICIENCY & STABILITY

- High power density
- Maximum power up to 45kW

03 EXTENSIVE USE

- Built-in MPPT *3
- Wide voltage range of 200~810V
- Support controllable by PCS & EMS

04 SAFETY & COMPATIBILITY

- Active protections