

MPPT-M

Solar Controller Module



• Features

- Modular design for easy maintenance and expansion.
- Supports multiple inputs, easy and flexible configuration.
- Supports local EMS controller for intelligent energy control.
- Wide PV input range of 300V-800V.
- Efficiency $\geq 99\%$.

• Technical Parameter

Solar Controller Module		
Input		
Max. PV array voltage		1000V
MPPT voltage range		300-800V
Number of MPPT paths		4
Max. number of input strings per MPPT		2
Number of branch inputs		8
Max. branch current		13A
Output		
voltage range		800V (adjustable by the rear inverter)
Rated output current		80A
Max. output current		104A
Protection		
Reverse DC input protection		Yes
DC switches		Yes
Group string detection		Yes
Surge-protection		Class II (lightning protector)
Over-temperature protection		Yes (automatic derating)
Over-current protection		Yes
Over-voltage protection		Yes
General Data		
Max. efficiency		>99%
Power supply method		Self-powered
Cooling		Intelligent air cooling
Protection Level		IP20
Humidity Range		0~95%(No condensing)
Operating ambient temperature		-20~50°C
Storage ambient temperature		-25°C ~+70°C
Communication		RS485、CAN
Dimension(W*D*H)		500*568*155mm
DC input electronics type		MC4 (quick plug)
Inlet and outlet line methods		Rear in/out (with communication interface)