

320kW PV MPPT Controller

HEXMPPT-24



Safety & efficiency combined

- It supports insulation resistance monitoring for real time leakage detection
- The system will trigger automatic shutdown upon fault occurrence
- Optional PID module curbs power degradation of PV panels
- The maximum efficiency can reach 99.4%



Dual environmental protection

- Equipped with IP66 plus C5 grade outdoor enclosure
- It delivers outstanding dustproof waterproof and anti corrosion performance
- It runs steadily within temperature range from -30°C to 55°C



Multi-layer protection

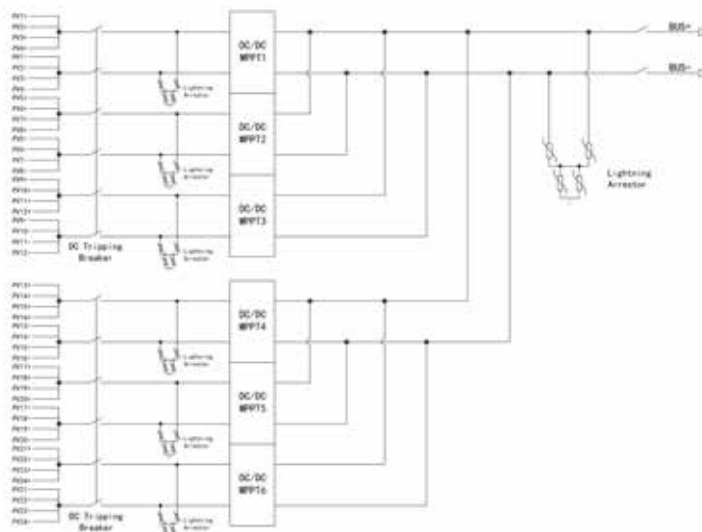
- Full range built in protection covers multiple safety functions
- It includes PV reverse polarity prevention terminal overheat safeguard
- Input and output SPD protection output short circuit and over



Multi-scenario adaptability

- It comes with 6 MPPT channels and 24 PV input strings
- It enables flexible PV mounting at various angles
- It features a wide MPPT voltage range from 500V to 1460V

Topology diagram



Model	HEXMPPT-24
PV-Side Interface	
Maximum PV array voltage	Not exceeding 1500V and not surpassing the maximum withstand voltage of the backend battery
MPPT voltage range	500V-1460V
Rated MPPT voltage range	900V-1266V
Maximum branch current	30A
PV input strings number	24
Number of MPPT	6
Current per MPPT	60A
Output	
Voltage range	950-1500V
Rated voltage	default 1331.2V, adjustable
Rated output current	240A
Rated output power	320kW
Maximum output current	278A
System	
European efficiency	99.4%
IP grade	IP66
Cooling method	Air-cooling
Dimensions	900×340×600mm
Weight	60kg
Operating temperature	-30~55℃
Power supply mode	Self powered
Communication interface	RS485