

EP-2500-HA-OD

EP Series 1500V Central Solar Inverter

- More power generation

Max. efficiency 99%, Euro efficiency 98.7%
Full power operation without derating at 50 °C
1500Vdc PV system reduce power loss
- Low system cost

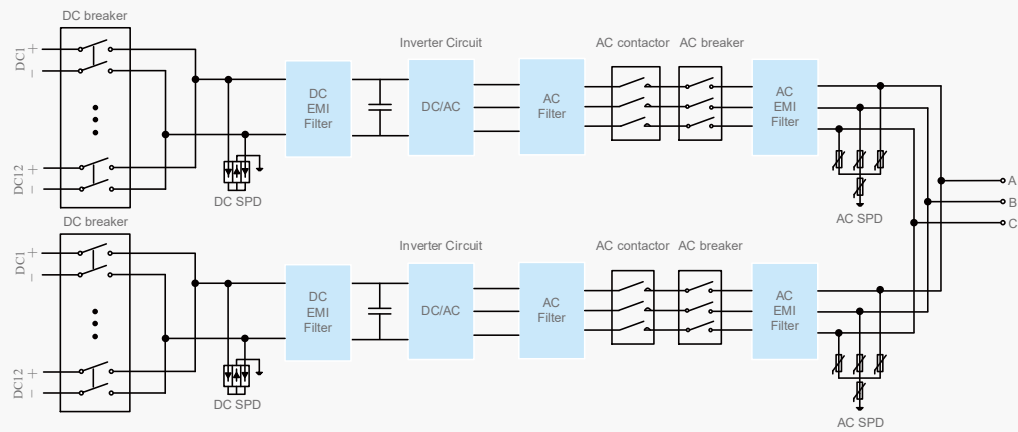
IP54 container solution without house
Auxiliary power supply and communication integrated
Integrated reactive power compensation
High DC/AC ratio up to 1.5
- High reliability

Key components online monitoring
Redundancy design for cooling fans and control power supply
Industry oriented design for harsh enviroment
- Grid friendly

LVRT and HVRT function
Low harmonics and fast response for grid regulation



Circuit



Input (DC)	EP-2500-HA-OD
Max. PV input voltage	1500V
Max. input current	2×1754A
MPP voltage range for nominal power	800~1300V
Number of MPPT trackers	2
Max.Number of DC inputs	16
Output (AC)	
Rated output power	2500kW
Max. output power	2750kW
Rated grid voltage	550V
Grid voltage range	468~605V
Max. output current	2×1443A
Rated grid frequency / range	50 Hz/45~55Hz, 60Hz/55~65Hz
Output current harmonic(at nominal power)	<3%
Power factor at nominal power / range	>0.99/0.8 lagging to 0.8 leading
Protection	
DC input protection	Load break switch+fuse/Circuit breaker
AC output protection	Circuit breaker
Overvoltage protection	DC Type II/AC Type II
Leakege current monitoring	Yes
Ground fault monitoring	Yes
Insulation monitoring	Yes
Overheat protection	Yes
Reactive power compensation	Optional
Anti-PID function	Optional
Smoke detecting	Yes
Efficiency	
Max. efficiency	99%
EU efficiency	98.70%
General date	
Self-consuming at runtime	<2500W
Self-consuming in standby	<80W
Protection level	IP54
Temperature	-30 °C ~+60 °C (>50 °C derating)
Cooling mode	Temperature controlled forced air cooling
Max.operating altitude	4000m(>3000m derating)
Display	Touch screen
Communication port	RS485/Ethernet
Certificates and approvals (more available on request)	IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC 61000
Dimensions (W×H×D)	2991×2890×2438mm
Weight	6500kg