

## EP-2500-A-OD Central Inverter



### Features

- 2.5MW unit integrated design, built-in two EP series 1250kW inverters
- Inverter integrates DC power distribution, with no need of independent DC power distribution cabinet
- Optional bottom air inlet and side air inlet, fulfill ventilation requirements for different environments
- IP54 outdoor protection level, excellent environment adaptation
- Class A fire rating to meet fire-fighting requirement Four sides door open design makes maintenance convenient
- LVRT function makes grid-connected safer
- Integrated communication management computer, or installation position reserved

### Specifications

#### Input parameters

Max. input voltage	1000VDC
Max. input current	2297A×2
MPPT voltage range	580~900VDC
MPPT route	2 / 4 (optional)
Max. route of DC shunt distribution	40

Rated output power	2500KW
Max. output power	2750KW
Rated grid voltage	415VAC
Grid voltage range	332~460VAC
Max. output current	1913A×2
Rated grid frequency	50/60HZ
Output current harmonic	<3%

#### System characteristics

Power factor	>0.99
Isolating mode	Transformer excluded
Max. efficiency	98.92%
EU efficiency	98.66%
Self-consuming at runtime	<3000W
Self-consuming in standby	<50W
Protection level Ambient temperature <sup>(1)</sup>	IP54 - 30~+60°C
Allowed humidity (non condensing)	0~95%
Altitude at full load <sup>(2)</sup>	3000m
Cooling mode	Controllable forced air cooling
Power supply mode	Self-powered/external (optional)
External auxiliary power voltage	220VAC
Communication port	RS485/Ethernet (optional)

#### Mechanical parameters

Dimensions (W×H×D)	2438×2591×3029mm
Weight	5050kg

(1) When ambient temperature is under -30°C, the inverter needs to configure with heater (optional)

(2) When above 3000m, the inverter needs derating, and you should contact the manufacturer for derating parameter.

