

CP-2500-B-OD Prefabricated PV Power Station



Features

- ✦ 2.5MW unit integrated design, built-in two CP-1250 inverters
- ✦ The inverter -integrate DC distribution, no need independent DC cabinet
- ✦ Optional bottom air intake and side air intake way, adapting to the ventilation requirements of different environment
- ✦ IP54 outdoor protection grade, excellent environmental adaptability
- ✦ Zero voltage ride through function
- ✦ Integrate the communication management machine or reserve the installation position

Specifications

input parameter	
Max. DC power	1403KW×2
Max. DC voltage	1000VDC
Input voltage range	750~1000VDC
Maximum input current	1798A×2
Number of DC inputs	20~30
Rated output power	1250kW×2
Maximum output power	1375kW×2
Rated grid voltage	520VAC
Grid voltage range	468~572VAC
Maximum output current	1526A×2
Rated power frequency	50/60Hz
Total harmonic distortion (THDi) (at nominal power)	<3%
Output power factor	>0.99
Topology	transformerless
Maximum efficiency	99%
European efficiency	98.6%
Operating self-consuming	<3000W
Standby self-consuming	<40W
Degree of protection	IP54
Operating temperature range ⁽¹⁾	-30~+55℃
Relative humidity (no condensation)	0~95%
Full-load running altitude ⁽²⁾	3000m
Cooling mode	Controllable forced air cooling
Power supply mode	Self-powered/external (optional)
External auxiliary power supply voltage	380V (3/N/PE)
Communication interface	RS485/Ethernet (optional)
Dimensions (width×height×depth)	2550×2800×2700mm
Weight	5200kg

(1) When the environment temperature is below -30℃, inverter needs to configure the heater option.

(2) When the height is higher than this altitude, inverter needs to serve in de-rated state, and consult the factory for derating parameters.

