

CP-1250-B Central Distributed Inverter



Features

- Central inverter, multiple MPPT inputs
- Multiple MPPT inputs, increasing the generating capacity
- Above 2MW system, leading to low cost
- Integrated DC power distribution function
- Active electric tripping function
- High precision digital isolation monitoring
- Capacitor life prediction technology
- Anti-PID functional
- Zero voltage ride through function

Specifications

Input parameters	
Maximum DC power	1403KW
Maximum DC voltage	1000VDC
Input working voltage range	750~1000VDC
Maximum input current	1798A
Number of DC inputs	10~15
Output parameters	
Rated output power	1250KW
Maximum AC power	1375KW
Rated power grid voltage	520VAC
Network voltage range	468~572VAC
Maximum output current	1526A
Rated power grid frequency	50/60Hz
Total harmonic distortion (THDi)(at nominal power) < 3%	< 3%
Output power factor	> 0.99
System performance	
Topology	transformer less
Maximum efficiency	99%
European efficiency	98.60%
Operating self-consuming	<1200W
Standby self-consuming	<20W
Degree of protection	IP20 (IP21 optional)
Working environment temperature ⁽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)
Communication interface	RS485/Ethernet(optional)
Mechanical parameter	
Dimensions (width×height×depth)	1500×2070×790mm
Weight	1200kg

(1) When the environment temperature is below -30 °C, 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.

