ONBIPV

I-C-2580



INTEGRATED PCS

ADVANTAGES

- **Compact, Lightweight Integrated Design:** Only 1900 × 1800 × 2300 mm and 2500 kg — far smaller footprint than containerized solutions, flexible to deploy.
- **High-Voltage 800V AC Output:** Higher than industry-standard 690V — lower current (1862A) reduces cable losses and investment costs.
- **High System Efficiency:** THDi < 3% with power factor –1 ~ 1 (leading/lagging), delivering clean, full-range grid output.
- **Low Noise & Smart Cooling:** Intelligent air cooling with noise < 78dB — energy-efficient and quiet, ideal for urban & C&I sites.
- **Wide Environmental Adaptability:** IP55 outdoor design, –25°C ~ +60°C operating range, 0–95% humidity, up to 3000m altitude.

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Product Type	I-C-2580

01 Power Configuration Parameters

Rated power	2580kW
Power per channel	215kW
Number of rated channels	12

02 DC Parameters

Operate voltage range	1150~1500V

03 AC Parameters

Rated output power	2580kW
Rated Max.AC power	2838kW
Rated AC current	1862A
Rated AC voltage	800V
AC connection mode	3W+PE
Overload capacity	1.1x
Rated AC frequency	50/60±5Hz
THDi	< 3% (rated power)
Power factor	-1(leading)~1(lagging)

04 System Parameters

Dimensions (W x H x D)	1900*1800*2300mm
Weight	2500kg
Operating temperature	-25℃~60℃(derating above 45℃)
Relative humidity	0~95%(no condensation)
Noise	< 78dB
Cooling mode	Intelligent air-cooled
Altitude	3000m (> 3000m reduction)
Protection degree	IP55
Communication interface	RS485/CAN/Ethernet

05 Complied Standards

RoHS·IEC 62477-1·IEC 61000-6-2·IEC 61683·VDE 4120·EN 50549

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