ONBIPV

I-C-2000



INTEGRATED PCS

ADVANTAGES

- **High-Power Density:** 250kW rated output in a modular cabinet — scalable power with a compact footprint.
- **Wide DC Operating Range:** 1148–1500V full-load charging and 1200–1500V full-load discharging, maximizing compatibility with high-voltage battery systems.
- **High Efficiency & Quality:** THDi < 3% at rated power, delivering clean, grid-friendly power for stable integration.
- **Forced Air Cooling:** Efficient forced air cooling with noise ≤ 80dB, balancing thermal performance and low operating cost.
- **Rich Connectivity:** RS485/CAN/Ethernet interfaces enable flexible integration with BMS, EMS, and dispatch systems.

Copyright © ONBIPV Technology, all rights reserved. Website: onbipv.com, email: info@onbipv.com.
Information in this datasheet are subject to update without notice. ONBIPV reserves the right of final interpretation.

Product Type	I-C-2000

01 Power Configuration Parameters

Rated power	2000kW
Power per channel	250kW
Number of rated channels	8

02 DC Parameters

Operate voltage range	1200~1500V

03 AC Parameters

Rated output power	2000kW
Rated Max.AC power	2200kW
Rated AC current	1400A
Rated AC voltage	800V
AC connection mode	3W+PE
Overload capacity	1.1x
Rated AC frequency	50/60±2.5Hz
THDi	≤3% (Full load)
Power factor	0.99 / -1~1

04 System Parameters

Dimensions (W*H*D)	2460*800*2550mm
Weight	1400kg
Operating temperature	-30℃~60℃
Relative humidity	≤95%
Noise	≤80dB
Cooling mode	Forced air cooling
Altitude	4000m
Protection degree	IP54
Communication interface	RS485/CAN/Ethernet

05 Complied Standards

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

Copyright © ONBIPV Technology, all rights reserved. Website: onbipv.com, email: info@onbipv.com.
Information in this datasheet are subject to update without notice. ONBIPV reserves the right of final interpretation.