ONBIPV

ONB-A418



COMMERCIAL AND INDUSTRIAL BATTERY

ADVANTAGES

- **High Safety:**LFP cells with cell-level detection and cabinet-level aerosol fire suppression ensure intrinsic safety across the entire system.
- **Ultra-Long Lifespan:** Liquid cooling delivers over 7,000 cycles — maximizing asset value and minimizing LCOE.
- **High Energy Density:** Up to 90% system efficiency, with low conversion losses for more economical daily operation.
- **Grid-Friendly:** THDi < 3%, DC component < 0.5%, and 1.17x overload capability for stable and reliable grid integration.
- **Compact & Lightweight:** 1.4 × 1.3m footprint delivering 418kWh capacity — small footprint, flexible site layout.

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Product type	ONB-A418

01 DC Parameters

Rated energy	418kWh
Cell type	LFP 3.2V/314Ah
Battery voltage range	1164.8~1497.6V
Battery pack configuration	1P416S
Battery system configuration	416SIP

02 AC Parameters

AC rated power	215kW
Max. AC power	251kW
Rated grid voltage	690V
Rated grid frequency	50Hz
THDi	< 3%
Power factor	≥0.9 (at full power)
Dc component	< 0.5%

03 System Parameters

Dimensions (W*H*D)	1400*1300*2350mm
Weight	3800kg
Operating temperature	-35℃~55℃(45℃~55℃ derating)
Max. system efficiency	≥90%
Cooling method	Liquid cooling
Depth of discharge	100%DOD
Cycle life	≥7000cycles
Fire protection system	Cell-level detection + Cabinet-level aerosol
Protection level	IP55
Communication port	LAN

04 Complied Standards

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

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