ONBIPV

ONB-G5A



BATTERY CONTAINER

ADVANTAGES

- **High-Density 20ft Container:** Up to 5.015MWh within standard footprint, saving site land space.
- **Flexible PCS Compatibility:** Dual-stack DC architecture, supports multiple PCS matching for 0.125P-0.5P scenarios.
- **Advanced Liquid-Cooled Thermal System:** Precise temperature equalization, optimizes battery performance and extends cycle life.
- **Three-Tier BMS Architecture:** Accurate cell sampling & balancing, rich communication interfaces for EMS/PCS seamless interconnection.
- **High System Round-Trip Efficiency:** Up to 93.5% RTE, pre-integrated subsystems for fast on-site commissioning.

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Product Type	ONB-G5A

Product Parameters

Rated energy capacity	5.016MWh
Rated power	2500kW
Rated voltage	1331.2Vdc
Rated current	942A
Operating voltage Range	1164.8~1497.6Vdc
Cell rated capacity	314Ah/per cell
Cell chemistry	LFP
Configuration	1P104S
Cycle life	≥8000cycles @70%
Communication protocols	CAN、Modbus-TCP
Cooling mode	Liquid cooling
IP rate	IP55
Operation noise	≤80dB
Corrosion resistance	C4 (Optional: C5)
Operating Temperature	-30~55℃
Altitude	≤4000m（Derated above 2000m）
Operating humidity	0~100% (No condensation)
Dimensions(W*D*H)	6058*2438*2896mm
Weight	~42t

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