ONBIPV

ONB-G5B



BATTERY CONTAINER

ADVANTAGES

- **High-Density 5.015MWh 20ft Container:** Max energy within standard footprint, reduces project land occupation.
- **Flexible DC Combiner Options:** Multiple DC output topologies to match diverse PCS configurations.
- **Advanced Liquid-Cooled Thermal Management:** Precise temperature control, small intra-container temperature difference, extend battery life.
- **High-Performance BMS with Active Balancing:** Accurate SOC/SOH estimation, rich communication protocols for EMS & PCS integration.
- **High System Energy Efficiency:** ≥94% system efficiency, pre-integrated all subsystems for fast site commissioning.

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Product Type	ONB-G5B

Product Parameters

Rated energy capacity	5.015MWh
Rated power	2500kW
Rated voltage	1331.2Vdc
Operating voltage Range	1164.8~1497.6Vdc
Cell rated capacity	314Ah/per cell
Cell chemistry	LFP
Configuration	1P104S
Cycle life	6000cycles @80%SOH; 8000cycles @70%SOH
Communication protocols	CAN、RS485、Modbus TCP/IP
Cooling mode	Liquid cooling
Certifications	UL 1973, UL 9540, UL 9540A, NFPA 855, NFPA 69, NFPA 68, IEC 62619, IEC 63056, IEC 62477, IEC 62933, UN 38.3, CCS
IP rate	IP55
Operation noise	≤75dB
Corrosion resistance	C4-M (Optional: C4-H, C5-M, C5-H)
Operating Temperature	-30~55℃
Altitude	≤2000m
Operating humidity	0~100% (No condensation)
Dimensions(W*D*H)	6058*2438*2896mm
Weight	42.5t

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