

DeepCore Pack

Next-Generation Immersion-Cooled BESS



Bidirectional Active Equalization

Prevents overcharge/overheat & thermal risks, boosts usable capacity



High Density & Long Lifespan

$\geq 130\text{Wh/kg}$ cell energy density, $\geq 10,000$ cycles, 20-year design life



Precise Uniform Cooling

Full-cell temperature sensing & AI cooling limits maximum cell temperature difference to $\leq 2^\circ\text{C}$



AIDC Reliable Fire Shielding

IP68 Pack-Level sealed protection confines fault gas inside to eliminate cabinet explosion hazards

■ PRODUCT SPECIFICATIONS

Item	DeepCore Pack
Battery Parameters	
Nominal Voltage	DC 166.4 V
Minimum Operating Voltage	DC 130 V
Maximum Operating Voltage	DC 189.8 V
Max Continuous Charge/Discharge Current	200 A/0.5P
Self-Discharge Rate	≤3% per month
Nominal Capacity	314 Ah
Nominal Energy	52.249 kWh
Energy Density	≥130 Wh/kg
Basic Parameters	
Dimensions (LxWxH)	1230 x 810 x 260(mm)
Weight	380±10 kg
IP Rating	IP68
Cooling Method	Immersion Liquid Cooling
System Cycle Life	≥10000 cycles
Temperature Monitoring Points	≥26 points/box
Insulation Level	≥1000 MΩ
Storage Temperature	0 to 45°C, RH≤65%
Configuration	1P52S

This document is regularly updated for accuracy and improvement. Please verify you are using the latest version. Illustrations are for reference only.



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