ESS-5M16LG-BD1

Utility BESS

Liquid-cooled ES Container



Ultra-long lifespan

- Industry's first lamination short-blade battery cell, with over 10,000 cycles
- Fully upgrade of thermal management system, dual-sided liquid cooling reduces temperature difference by 50%, increasing system lifespan by 10%

Ultimate safety

- Cells: "Short-blade + Lamination" process ensures intrinsic safety, passing extreme nail penetration tests
- System: Intelligent early warning + three-level fire protection, ensuring safety throughout the lifecycle

High efficiency and intelligence

- System energy efficiency is 1% higher than the industry average
- Energy density per unit area is 3% higher than the industry average, with 2.8% higher usable energy

Muti-scenario applications

- Supports single-rack management, enhancing energy utilization and reducing inter-rack current circulation
- The product supports peak shaving, grid-level frequency regulation, and renewabl energy integration

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Model	ESS-5M16LG-BD1
Cell	
Battery type	LFP
Cell capacity	350 Ah
Cycle life	≥10,000 cycles @70% SOH
System	
Dimensions(W×H×D)	6058×3100×2438 mm
Weight	43 t
Cell configuration	1P384S×12
Energy output(Max.)	5160 kWh
Nominal voltage	1228.80 V
Charge/Discharge rate	≤0.5 P
Protection level	IP55
Corrosion resistance level	C4/C5
Pollution resistance level	II
Operating altitude	≤3000m(derated at 4000m)
Temperature range	-30˚C~55˚C
Humidity range	0~95%, no condensation

*All specifications are subject to change without notice.