

Outdoor Distributed Energy Storage System

Cube 418

- All-in-one architecture, AC/DC integrated pre-commissioned delivery, modular quick installation
- Supports modular build from 100kWh to GWh scale
- Covers three core areas – C&I energy saving, grid-side support, renewable energy storage & grid connection
- Full-dimensional regulation, millisecond response to primary FR, accurate matching of secondary FR
- Cell temperature difference $\leq 2.5^{\circ}\text{C}$, 30% longer lifespan, 20% lower energy consumption
- IP55 rating, adaptive to extreme climates, supports remote intelligent control



Model		Cube 418
System Parameter		
Maximum System Efficiency		≥90%
Charge - Discharge Rate		≤0.5P
Working Temperature (°C)		-30-55 C
Humidity (RH)		0%~95%
Cooling Method		Liquid cooling
IP Rating		IP55
Corrosion Protection Grade		C4
Noise (Rated Operating Condition)		70dB@1m
Altitude (m)		≤3000 (>2000 derating)
Fire Protection System		PACK-level + Cluster-level aerosols
Communication		4G/RS485/Ethernet/Wi-Fi (optional)
System Dimensions (W*D*H)(mm)		1600*1300*2350
Weight (kg)		3900
Certification		IEC61000, IEC62619, UN38.3
Battery Parameter		
Battery Type		LFP3.2V/314Ah
System Battery Configuration		1P416S
Battery System (kWh)		418
Battery Voltage Range (VDC)		1165~1498
Endurance Cycle		8000, 70% SOH(90%DOD,25 C)
AC Side Parameters		
Rated Output Power (kW)		200
Grid Voltage Range		690V±15%
Wiring Mode		3L+PE
Frequency (Hz)		50/60
Rated Charge/Discharge Current (A)		168
Power Factor		>0.99(-1 leading - 1 lagging)
THDi		<3%(Rated Power)

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