



CB1-500 20HC ESS

Key Features



HIGH INTEGRATED

- All-In-One Design Concept
- High Space Utilization, Small Footprint
- Easy Transportation & Installation



ULTIMATE SAFETY

- Comprehensive Safety Monitoring of Cells
- Intelligent Thermal Management
- Redundant Fire Protection Design



FLEXIBLE CONFIGURATION

- Modular Design
- Flexible Configuration
- Multi-Machine Parallel



INTELLIGENT COLLABORATION

- Emergency Backup, C&I ESS, Power Station
- Intelligent, Digital BMS and EMS
- Cloud Platform, Fast Power Response

PARAMETER

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Item	Parameter
Model	BSC-CB1-0500K1075K
Rated Power	500kW
Rated Energy	1075kWh
On-grid Voltage	380/400Vac (±15%)
On-grid Frequency	50/60Hz (±2.5)
Rated Voltage	768Vdc
Life Cycle	≥8000*
Isolation Method	Isolation Transformer (optional)
On/Off-grid Switching Device	STS (optional)
Cooling Method	Air-cooling
Noise	<75dB
IP Class	IP55
Anti-corrosion Degree	C3 (standard) / C5 (optional)
Allowable Altitude	3000m (>2000m derating)
Allowable Ambient Temperature	-20°C~55°C (> 45°C derating)
Allowable Relative Humidity	0%~95% (no condensation)
Dimension (W*H*D)	6058*2896*2438mm
Weight	≈18t

*Note: 25±2°C ambient temperature, 0.5P charge/discharge, cycles times ≥8000@70%SOH.



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