

Borochoi C&I Mini

120 kWh air-cooling hybrid energy storage cabinet.

Borochoi C&I Mini is a compact hybrid energy storage cabinet designed for commercial and industrial applications that need integrated storage, intelligent monitoring and flexible deployment in a small footprint.

All-in-one cabinet format for easier deployment

Real-time monitoring, fault recording and cloud access

Zonal isolation and multiple circuit protections

Modular design supporting parallel expansion

On-grid and off-grid applications, including long-term 110% overload use



Application Scenarios



PV + Storage
Hybrid Systems



Self-Consumption
Optimization



Backup Power
Supply



Microgrid
Applications

Battery Parameter

Cell Type	LFP 3.2V/314Ah
Battery Module	20S1P/20.09kWh
System Battery Configuration	120S1P
Nominal Voltage	384 V
Voltage Range	324~432 V
Battery System Capacity	120.58 kWh
Charge/Discharge Rate	0.5P
Cycles Life	6000

PV Parameter

Max. Input Power	96 kW
MPPT Operating Voltage Range	150~850 V
Maximum Input Current	4*40 A
Number of MPPT/Max. Input Strings	4/8

AC Output Parameter

Nominal Power	50 kW
Nominal Voltage	400 V
Nominal Current	72.2 A
Nominal Frequency	50 Hz/60 Hz
Power Factor Range	0.8 leading~0.8 lagging

System Parameter

System Efficiency	86%
Temperature Control Method	Air Cooling
Fire Fighting System	Perfluorohexanone
Operation Temperature	-20~+55°C (>45°C derating)
Operation Humidity	0~95% (Non-condensing)
Operation Noise	<=75 dB(A) @3 m
Max. Operation Altitude	4000 m (>2000 m derating)
Degree of Protection	IP54
Communication Protocol	4G, WIFI
Application Scenarios	On Grid / Off Grid
Max. Parallel Quantity (off-grid)	6
Weight	1.3 T
Dimensions (W*D*H)	1020 mm*1280 mm*1960 mm
Certificate/Standard	UN38.3, MSDS, IEC62619, EN62477, EN IEC 61000-6-2/6-4, CE and related grid standards