BATTLINK 120kWh C&I ESS

The BATT-CI-50/120 adopts an "All-in-One" design concept, integrating all components into a standard cabinet. It is suitable for various commercial and industrial energy storage scenarios, including industrial parks, supermarkets, hotels, office buildings, data centers, and solar charging stations. This system effectively reduces electricity costs, improves energy efficiency, and ensures the continuous operation of critical equipment.

Product Characteristics

Intelligent and User-Friendly

- Real-time status monitoring and fault logging enable early fault warnings and post-event analysis.
- Cloud platform integration supports multi-device access and multi-user sharing.

Safety and Reliability

- Zonal isolation within the energy storage system ensures active safety monitoring.
- Multiple circuit protection mechanisms, including short circuit, over-voltage, under-voltage, overload, and over-current protection.

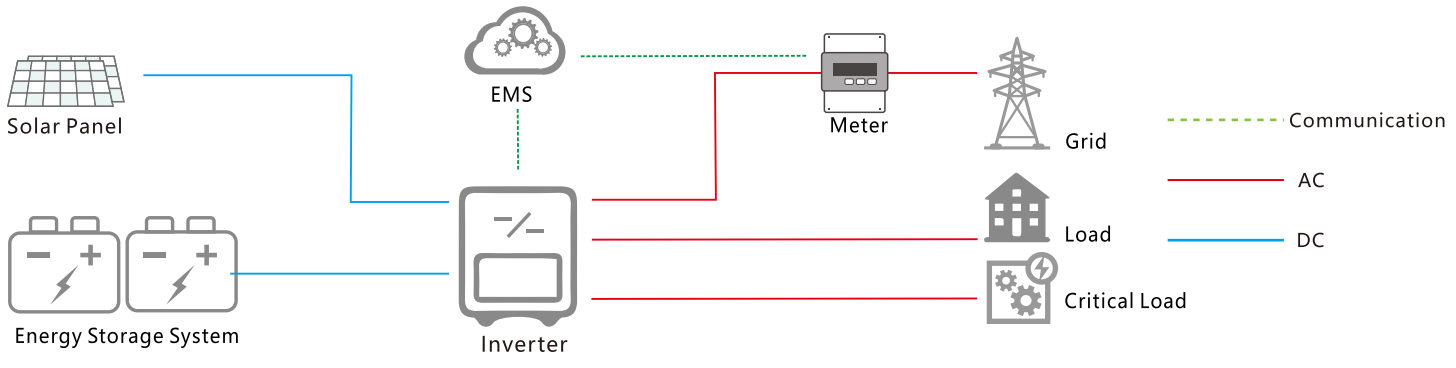
High Efficiency and Flexibility

- Modular design supports parallel connections, facilitating system expansion.
- Highly integrated and pre-assembled system for easy transportation and maintenance.

Powerful Performance

- Supports off-grid, on-grid, and microgrid applications.
- Supports 200% DC/AC ratio and makes full use of PV charging, providing backup power.

Product Topology



CE RoHS CB IP54 IOT OTA

Technical Index

Model	BATT-CI-50/120
Battery Parameter	
System Energy	120.58kWh
Rated Voltage	384V
Voltage Range	348V~426V
Battery Type	LFP, 3.2V314Ah
System Configuration	384V314A h(120S1P)
Cycle Life	≥6000
PV Parameter	
Max. Input Power	100kW
MPPT Voltage Range	150V~850V
Max. Input Current	4 x 40A
MPPT Number/Max. Input Strings number	4/8
AC Output Parameter	
Rated Output Power	50kW
Max. Apparent Output Power	1.6 times of rated power, 2s
Rated Output Voltage	380/400V
Rated Output Frequency	50/60Hz
Max. Output Current	76A
System Parameter	
Fire Fighting System	Perfluorohexanone
IP Grade	IP54
Cooling Method	Air Cooling
Operating Temperature Range	-20℃~+60℃
Operating Humidity Range	0~95%
Max. Operating Altitude	≤4000m
Communication Interface	RS485, Ethernet
Communication Protocol	Modbus-RTU, Modbus-TCP
Weight	≤1300kg(2866lb)
Dimensions(W*D*H)	1278*1020*1970mm(50.3*40.1*77.5 inch)
Certificates	UN38.3, G99, VDE-AR-N 4105, VDE-V-0124, EN50549-1, EN50549-2