BATTLINK

50kW-107kWh
Small Scale C&I ESS

BATT-CI-50/107 adopts the "ALL IN ONE" design concept which integrates all components in a standard cabinet. It can be applied to various scenarios of industrial and commercial energy storage, covering industrial parks, supermarkets, hotels, office buildings, data centers, solar charging stations etc. It effectively reduces electricity costs, improves energy efficiency, and ensures the continuous operation of key equipment.

Product Characteristics

Smart and Friendly

- Real-time status monitoring and fault recording, realizing early warning and post-fault analysis
- Access to the cloud platform, supporting multi-device acess and multi-user sharing

Efficient and Flexible

- Modular design, support parallel connection, convenient system expansion
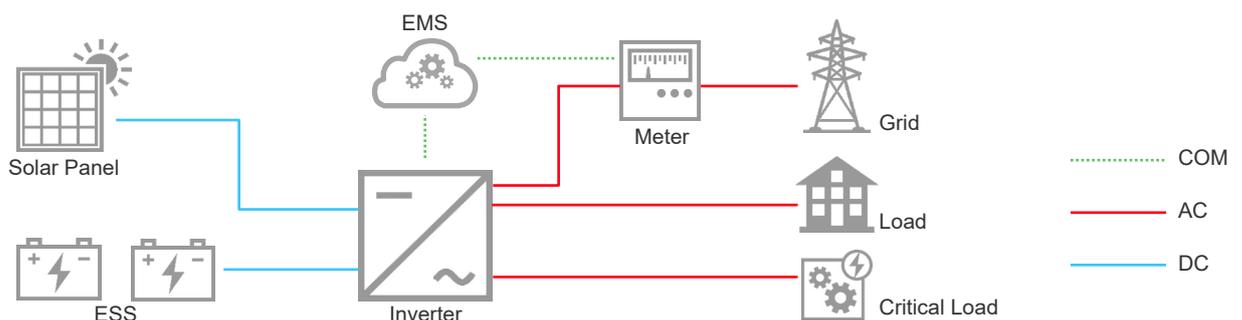- Highly integrated, pre-assembled system, easy to transport and operate

Safe and Reliable

- Storage system partition isolation, active safety monitoring
- Multiple circuit protection, including short circuit, over voltage, under voltage, over current protection

Powerful Performance

- Support off-grid, grid-connected, microgrid and other scenarios
- Photovoltaic supports 200% DC ratio, providing long-term backup power

Product Typology

Solar Panel · EMS · Meter · Grid · ESS · Inverter · Load · Critical Load

COM ············
AC ——
DC ——

Technical Index

RoHS **CB** **IP55** **IOT** **OTA**

Model	BATT-CI-50/107
Battery Parameter	
System Energy	107.52kWh
Rated Voltage	384V
Voltage Range	348V~426V
Battery Type	LFP, 3.2V280Ah
System	120S1P
Cycle Life	6000
PV Parameter	
Recommended Max. PV Array Size	100kW
MPPT Operating Voltage Rage	150V~850V
MPPT Number/Max. Input String Number	4/8
Max. Input Current	40A/40A/40A/40A
AC Output Parameter	
Rated Power	50kW
Overload Capacity	160%, 2S
Rated Grid Voltage	380/400V
Rated Grid Frequency	50/60Hz
Maximum Output Current	76A
System Parameter	
Fire Fighting System	Perfluorohexane
IP Class	IP55
Cooling Method	Air-cooled
Operating Temperature Range	-20~+60°C
Operating Humidity Range	0-95%
Operating Altitude	≤4000m
Communication Interface	RS485, Ethernet
Communication Protocol	Modbus-RTU, Modbus-TCP
Weight	Approx.1300Kg
Dimensions(W*D*H)	1020*1280*1960mm
Certificates	UN38.3, G99, VDE-AR-N 4105, VDE-V-0124, EN50549-1, EN50549-2

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