

## 30kW-50kWh Small Scale C&I ESS

The BATT-CI-30/50 system is specifically designed for small commercial and industrial buildings, offering a compact yet powerful energy storage solution. With its smaller capacity, it is the perfect fit for businesses looking to optimize energy consumption in spaces such as small office buildings, retail stores, and light industrial facilities. This system provides significant savings on electricity costs, boosts energy efficiency, and ensures seamless operation of essential equipment, making it an ideal choice for smaller-scale energy management needs.



## Product Characteristics

### Smart and Friendly

- Real-time monitoring and fault logging for early detection and post-fault analysis
- Cloud platform access with support for multiple devices and user sharing

### Efficient and Flexible

- Modular design with parallel connection support for easy system expansion
- Compact, fully integrated, and pre-assembled system for easy transport and operation

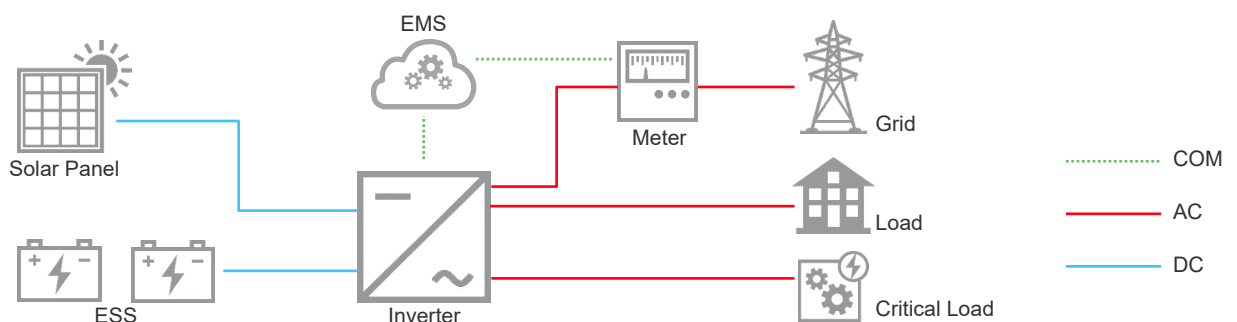
### Safe and Reliable

- Partitioned energy storage system with active safety monitoring
- Comprehensive circuit protection, including short circuit, overvoltage, undervoltage, and overcurrent safeguards

### Powerful Performance

- Compatible with off-grid, grid-connected, microgrid, and other scenarios
- Support long-term 105% overload use

## Product Typology



## Technical Index

RoHS

CB

IP55

IOT

OTA

Model	BATT-CI-30/50
<b>Battery Parameter</b>	
System Energy	51.2kWh
Rated Voltage	512V
Voltage Range	464V~568V
Battery Type	LFP, 3.2V100Ah
System	160S1P
Cycle Life	6000
<b>PV Parameter</b>	
Recommended Max. PV Array Size	60kW
MPPT Operating Voltage Range	150V~850V
MPPT Number/Max. Input String Number	3/6
Max. Input Current	40A/40A/40A
<b>AC Output Parameter</b>	
Rated Power	30kW
Overload Capacity	160%, 2S
Rated Grid Voltage	380/400V
Rated Grid Frequency	50/60Hz
Maximum Output Current	45.6A
<b>System Parameter</b>	
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.920Kg
Dimensions(W*D*H)	1255*1076*1757mm
Certificates	UN38.3, G99, VDE-AR-N 4105, VDE-V-0124, EN50549-1, EN50549-2