

600kWp-500kW-1.2MWh Photovoltaic Energy Storage System

BATTLINK container energy storage system series products adopted All in one design can efficiently store and release electrical energy and is suitable for a variety of application scenarios such as industry, commerce and grid regulation. Integrated PV and other renewable clean energy ensure the energy supply stability and reliability.



■ Product Characteristics

Flexible Configuration

- Supports multiple sets of parallel use
- Supports simultaneous access to grid/diesel, PV, and batteries

Intelligent and Friendly

- On&Off grid seamless switching, uninterrupted power supply load
- Built-in EMS, multiple operating mode options, increase revenue

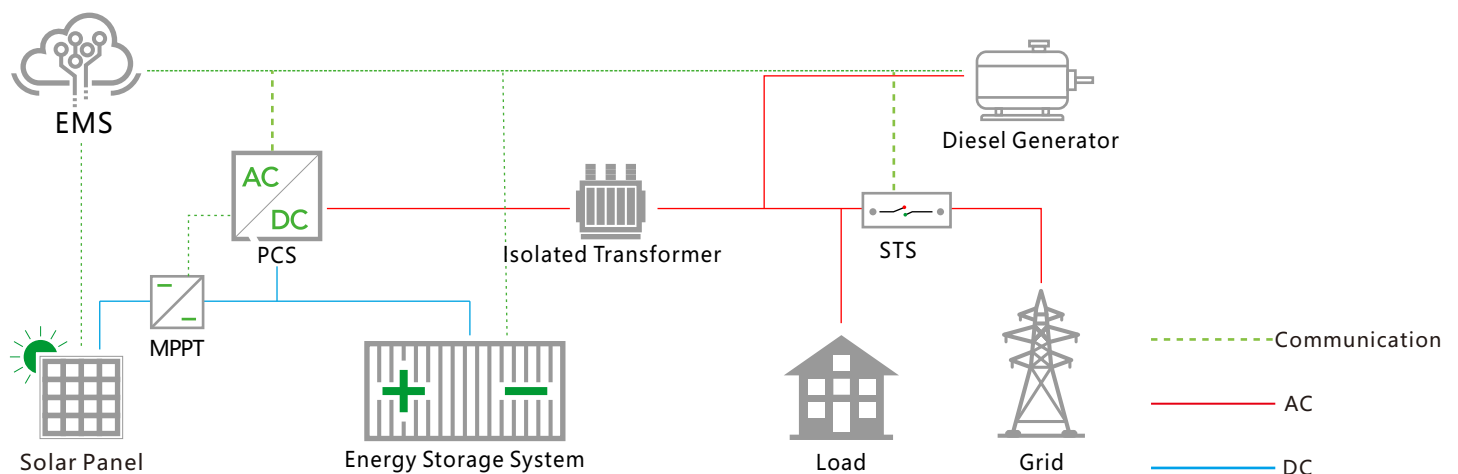
Easy Installation

- Simple on-site construction
- IP55 protection level, meets outdoor installation conditions

Safe and Reliable

- Super configuration to achieve resilient system
- Efficient thermal management design, active fire protection system to ensure system safety

■ Product Topology





■ Technical Index

Product Model	BATT-GS-500/1200-T
Battery String Parameters	
Cell Type	LFP, 3.2V 314Ah
Battery Module	64V314Ah, 20.09kWh, 140.5kg
Number of Battery Modules	60PCS
Rated Energy Capacity	1205kWh
Rated Voltage	768V
Voltage Range	696-852V
Charge and Discharge Rate	≤0.5P
Depth of Discharge	95%
Cycle Life	≥6000 cycles
Cooling Method	Air cooling
Fire Protection System	Aerosol/five-in-one detector+fire host+heptafluoropropane/perfluorohexanone fire suppressor
PCS Parameters	
Rated Power	500kVA
Rated Voltage	400Vac
Rated Current	722A
Rated Grid Voltage	400Vac
Rated Frequency	50/60Hz
THDi	<3%
THDu	<1% linear; <5% non-linear
Overload Capacity	110% Long-term operation
Isolation Method	Transformer isolation
Max. PV Input Voltage	1000Vdc
Max. PV Power	600/660/720kW
MPPT Operating Voltage Range	250-850Vdc
MPPT Full-load Voltage Range	450-850Vdc
Communication Interface	RS485/Ethernet/CAN
Communication Protocol	Modbus-RTU, Modbus-TCP
System Parameter	
Communication Protocol (EMS)	RS485/Ethernet
Installation	Outdoor
IP Grade	IP55
Corrosion Protection Class	C5
Working Humidity Range	0~95%(Non-condensing)
Operating Temperature Range	-30- +55℃
Max. Operating Altitude	5000m(>3000m derating)
Dimensions (L*D*H)	6058*2438*2896mm
Weight	About 23T