

1.2MWh Micro-grid Air-cooled ESS

1.2MWh Micro-grid Air-cooled ESS adopted “All in one” design concept, It 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 Features

Safe and Reliable

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

Easy Installation

- Simple on-site construction
- IP54 protection level, meets outdoor installation conditions

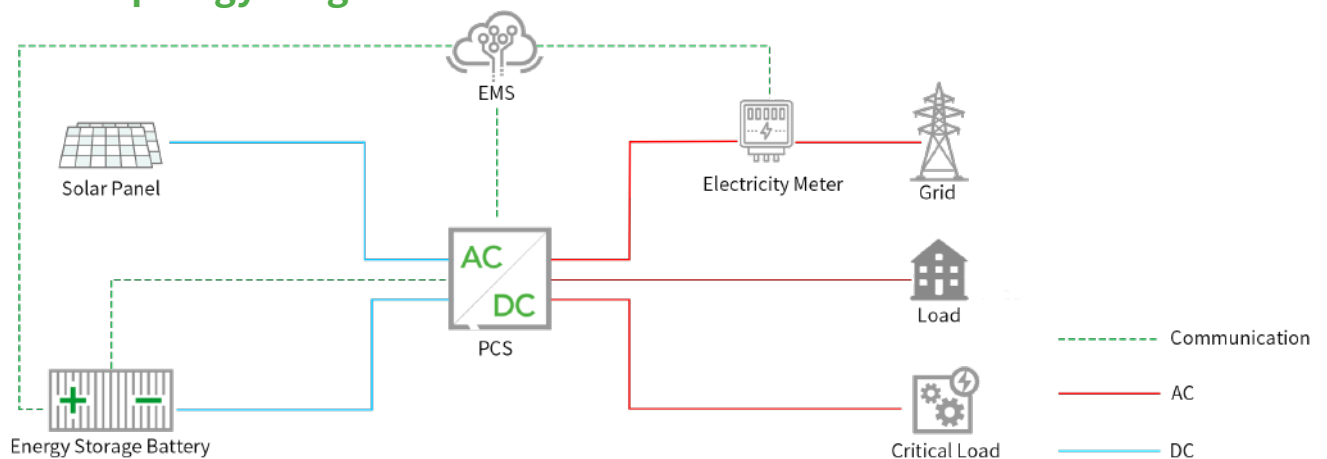
Intelligent and Friendly

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

Flexible Configuration

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

■ Product Topology Diagram



■ Technical Specification

MODEL		BATT-GS-500/1205-M		
Application Scenarios		On Grid/Off Grid		
BATTERY PARAMETER				
Cell Type		LFP3.2V/314Ah		
Battery Module		20S1P/20.096kWh		
System Battery Configuration		240S5P		
Nominal Voltage		768V		
Voltage Range		648~864V		
Battery System Capacity		1205.76kWh		
Charge/Discharge Rate		0.5P		
Cycles Life		6000		
PV PARAMETER				
Max. Input Power		600kW	660kW	720kW
MPPT Operating Voltage Range		250~640V		
Number of MPPT		10	11	12
AC OUTPUT PARAMETER				
Nominal Power		500kW		
Nominal Voltage		400V		
Nominal Current		722A		
Nominal Frequency		50Hz/60Hz		
Power Factor Range		1 leading~1 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		4000m (>2000m derating)		
Degree of Protection		IP54		
Communication Interface		Ethernet		
Communication Protocol		Modbus TCP/IP		
Max.Parallel Quantity (off-grid)		4		
Weight		19T		
Dimensions(L*W*H)		6058mm*2438mm*2896mm		
Certificate/Standard		UN38.3,MSDS,IEC 62619,EN 62477,EN IEC 61000-6-2/EN IEC 61000-6-4, EN 62109-1/EN 62109-2,G99,EN 50549-1,NRS 097-2-1,IEC 62116/IEC 61727,IEC 61683		