



LiFePo4 Battery Commercial Energy Storage Systems Power Storage Solutions

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: QY
- Certification: UN38.3, IEC
- Model Number: GES100KW-215KWH
- Minimum Order Quantity: 1
- Packaging Details: Container
- Supply Ability: 200 Units/Month



Product Specification

- Voltage: Varies Depending On Model
- Model: Energy Storage System
- Battery: LiFePo4
- Communication Protocol: Modbus, CAN, Ethernet
- Warranty: 5 Years
- Function: Backup Power, Peak Load Shifting
- Weight: Varies Depending On Model
- Fire System: Yes
- Highlight: **LiFePo4 commercial energy storage system, BESS battery power storage solutions, energy storage system with warranty**



Product Description

Outdoor PV-ESS Integrated ESS Series**Product Features**

High safety and reliability with dual safety framework: active early warning + passive protection

Excellent environmental adaptability with IP54 protection rating, supporting long-term stable operation under -30 ~ 50 ambient temperatures

Modular design to meet diversified customer demands

Intelligent energy management, supporting remote cloud platform monitoring and fault diagnosis

Compatible with generator access

Cell cycle life $\geq 8,000$ cycles at 80% DOD

High anti-corrosion performance, suitable for coastal and desert application scenarios

Main Application Scenarios

Villas, hotels, farms, offices, shopping malls, communication base stations

Specification Parameters

Item	ESGW030400-206HTP307	ESGW060400-314HTP358	ESGW100400-314HTP768	ESGW120400-314HTP768
Grid-Tied Parameters				
Rated Power	30 kW	60 kW	125 kW	125 kW
Grid-Tied AC Voltage / Frequency	400 V, 3P+N+PE, 50/60Hz ±5%			
Total Harmonic Distortion (THD)	3% (load above 30%)			
Maximum Power	33 kW	66 kW	137 kW	137 kW
Max. Output Current	48 A	96 A	191 A	191 A
Off-Grid Parameters				
Rated Power	30 kW	60 kW	125 kW	125 kW
Maximum Power	33 kW	66 kW	137 kW	137 kW
Switching Time	≤20 ms			
Rated Voltage & Frequency	400 V/230 V, 50/60 Hz			
Output Overload (Current)	1.25 times for 10s; 1.50 times for 100ms			
PV Parameters				
Rated PV Power	36 kW	72 kW	240 kW	240 kW
MPPT Voltage Range	200 ~ 830 VDC		180-1000VDC	
Max./Min. Startup Voltage	850 / 250 VDC		195-1100VDC	
Max. PV Output Current	32A * 2	32A * 4	40A * 10	100A * 4
Battery Parameters				
Battery Capacity	63 kWh	112 kWh	241 kWh	264 kWh
Battery Type	Lithium Iron Phosphate Battery			
Max. Battery Charging Current	150 A	150 A	120 A	160 A
Battery Protection Current	200 A	200 A	145 A	192 A
System Parameters				
Operating Ambient Temperature	-30 ~ 50 (derated operation above 50)			
Storage Temperature Range	0 ~ 40			
Humidity Range	0 ~ 95%, non-condensing			
Wind Energy Access Port	2 ports, 220 V input			
Control Mode	EMS + Remote Monitoring			
Cooling Mode	Air conditioning for battery; Intelligent forced air cooling for power unit		Liquid cooling	
Fire Protection Configuration	Module-level aerosol fire suppression & system-level aerosol fire suppression			
Power Failure Backup Function	Equipped with system power failure backup function			
Installation Type / Protection Class	Outdoor / IP54			
Altitude Adaptation	Up to 2000 m; derated operation above 2000 m			
Product Dimension	1200*1000*2300		1600*1300*2300	1650*1500*2350
Product Weight	960 KG	1290 KG	2750 KG	2930 KG
Shipping Certification	UN38.3 shipping certification available			
Compliance Standard	CE certified			



Ningbo Qiyuan New Energy Co., Ltd



18858073356



tony@qygen.com



batteriesback-up.com

60 Pingan Road, Dafu, Guanlan Community, Longhua District, Shenzhen, China