



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GREEN ENERGY SOLUTION has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, GREEN ENERGY SOLUTION has delivered more than 138+ countries serving 100,000+ users.

✓ Long life and safety

Vertical industry integration ensures more than 8500 cycles with 90% DoD.
Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 241.2KWh with single max module (16.08KWh) at 15pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

Compatible with most of the available Hybrid inverters.

✓ Safety Cert

CB IEC62619, CE, UN38.3, MSDS

Battery Specifications

Model No	GES-W-16K
Nominal Parameters	
Battery Chemistry	LiFePO4
Voltage	51.2V
Capacity	314Ah
Effective usable energy	14.47kWh
Dimension (W/H/D)	522.6*1007*343mm / 20.6*39.6*13.5 in
Weight Approximate	145.5kgs / 320 lbs
Basic Parameters	
Warranty Period [3]	10 years
Cycle Life (25±2°C,0.5C/0.5C,80%EOL)	≥8500
Storage Time / Temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C
Operation Temperature	-20°C to 60°C @ 60+/-25% Relative Humidity
Storage Temperature	0°C to 45°C @ 60+/-25% Relative Humidity
Certification	CB IEC62619, CE, UN38.3, MSDS
IP Rating of Enclosur	IP20
Electrical Parameters	
Operation Voltage	46-56Vdc
Max. Charging Voltage	56Vdc
Max. Charging Current	200A
Max. Discharging Current	200A
Max Power	10240W