



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

[www.gsl-energy.com](http://www.gsl-energy.com)

## ✓ Long life and safety

Vertical industry integration ensures more than 6500 cycles with 80% 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 81.92kWh with single max module (5.12kWh) at 16pcs 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

IEC62619, CE-EMC, UN38.3, MSDS

**Battery Specifications**

Model No

GSL 5000U-5KWH

**Nominal Parameters**

Battery Chemistry

LiFePO4

Voltage

51.2V

Capacity

100Ah

Energy

5.12kWh

Operating Voltage

46-56V

Max. Charge Voltage

56Vdc

Max. Charge Current

65A

Max. Discharge Current

65A

**Basic Parameters**

Warranty Period [3]

10 years

Dimension (W/H/D)

680\*400\*167.5mm

Weight Approximate

65kgs

Master LED Indicator

2 LED (working, alarming, protecting)

IP Rating of Enclosur

IP20 (Indoor use)

Storage Time/ Temperature

5months@25°C;3months@35°C;1month@45°C

Working Temperature

-20°C to 60°C @60+/-25% Relative Humidity

Storage Temperature

0°C to 45°C @60+/-25% Relative Humidity

Humidity

5%~95%

Altitude

≤2000m

Cycle Life  
(25±2°C,0.5C/0.5C,80%EOL)

≥6500

Certification

IEC62619, CE-EMC, UN38.3, MSDS