

# GSL ENERGY

Lithium Battery Solar Storage



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 20+ countries serving 100,000+ users.

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

## ✔ Long life and safety

Vertical industry integration ensures more than 6000 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 4.8KW with single max module (67KWh) at 14pcs 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

UL1642, TUV , IEC62619, CE, UN38.3, MSDS.

## Battery Specifications

Model No	GSL 2400U - 2.4KWH
<b>Nominal Parameters</b>	
Voltage	48V
Capacity	50Ah
Energy	2.4Kwh
Dimensions (L x W x H)	485x295.5x180mm
Weight	30kg
<b>Basic Parameters</b>	
Life time(25°C)	10 years
Life cycles(80% DOD, 25°C)	6000Cycles
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
Lithium Battery Standard	UL1642,IEC62619,UN38.3,ROHS,CE-EMC
Enclosure protection rating	IP21
<b>Electrical Parameters</b>	
Operation voltage	42-54 Vdc
Max.charging voltage	54 Vdc
Max.charging and discharging current	50A
Max Power	2400W

