

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	GSL 5000U - 5KWH
Nominal Parameters		
Voltage	48V	48V
Capacity	50Ah	100Ah
Energy	2.4KwH	4.8KwH
Dimensions (L x W x H)	510x480 x180mm	510x480 x180mm
Weight	32kg	58.5kg
Basic Parameters		
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	
Electrical Parameters		
Operation voltage	42-54 Vdc	42-54 Vdc
Max.charging voltage	54 Vdc	54 Vdc
Max.charging and discharging current	50A	100A
Max Power	2400W	4800W

