

GSL ENERGY

Much More Than Grade A



51.2V 100Ah



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

✓ 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 81.9KW 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

CB-IEC62619, CE-EMC, UN38.3, MSDS

Battery Specifications

Model No

GSL-051100A-B-GBP2

Nominal Parameters

Battery Chemistry	LiFePO4	
Voltage	51.2V	
Operating Voltage	46-56V	
Capacity	100Ah	
Energy	5.12Kwh	
Scalability	Max.16pcs in parallel (81.92kWh)	
Usable Energy	4.61Kwh	
Charge/Discharge Current	Recommend	50A
	Max.	100A
	Peak(2mins,25°C)	120A

Basic Parameters

Recommend Depth of Discharge	80%
Dimension (W/H/D)	650*480*180mm / 25.6*18.9*7.1 in
Weight Approximate	62.5kgs / 137 lbs
Master LED Indicator	4 LED (SOC:25%~100%)
	2 LED (working, alarming, protecting)
IP Rating of Enclosur	IP20
Working Temperature	Charge:0°C ~ 55°C Discharge:-20°C ~ 55°C
Storage Temperature	0°C ~ 35°C
Humidity	5%~95%
Altitude	≤2000m
Cycle Life (25±2°C,0.5C/0.5C,80%EOL)	≥6500
Installation	Wallmounted
Communication Port	CAN2.0, RS485
Warranty Period [3]	15 years
Life Cycle Power During Warranty Period	22.42MWh@80% EOL
Certification	CB-IEC62619,CE-EMC, UN38.3, MSDS