



**IP65**  
**51.2V 320Ah 16.38kWh**



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 10000 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 262KW with single max module (16.38KWh) 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

UL9540A, UL1973, CB-IEC62619, CE-EMC, UN38.3, MSDS

## Battery Specifications

Model No

GSL-051320A-B-GBP2

### Nominal Parameters

Battery Chemistry	LiFePO4	
Voltage	51.2V	
Operating Voltage	46-56V	
Capacity	320Ah	
Energy	16.38Kwh	
Scalability	Max.16pcs in parallel (262kWh)	
Recomend Discharge Energy ( 80% DOD)	13.10Kwh	
Charge/Discharge Current	Recommend	100A
	Max.	150A
	Peak(2mins,25°C)	200A

### Basic Parameters

Recommend Depth of Discharge	90%
Dimension (W/H/D)	700*1050*200mm / 27.6*41.3*7.9 in
Weight Approximate	145.5kgs / 320 lbs
Master LED Indicator	4 LED (SOC:25%~100%)
	2 LED (working, alarming, protecting)
IP Rating of Enclosur	IP65
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)	≥10000
Installation	Ground/Outdoor
Communication Port	CAN2.0, RS485
Warranty Period [3]	15 years
Certification	UL1973, UL9540A, CB-IEC62619, CE-EMC, UN38.3, MSDS