



IP65
51.2V 280Ah 14.34kWh



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 8500 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 229KW with single max module (14.34KWh) 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

UL1973, UL9540A, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS

Battery Specifications

Model No

GSL051280A-B-GBP2F

Nominal Parameters

Battery Chemistry	LiFePO4	
Voltage	51.2V	
Operating Voltage	46-56V	
Capacity	280Ah	
Energy	14.34kWh	
Scalability	Max.16pcs in parallel (229kWh)	
Recomend Discharge Energy (80% DOD)	11.47kWh	
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	128.5kgs / 283 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)	≥8500
Installation	Ground/Outdoor
Communication Port	CAN2.0, RS485, WiFi
Warranty Period [3]	15 years
Certification	UL1973, UL9540A, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS