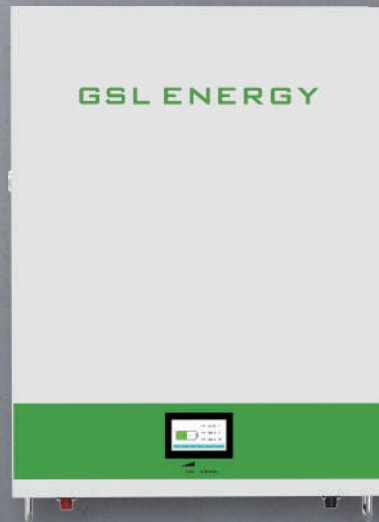


# GSL ENERGY

Much More Than Grade A



## 51.2V 280Ah



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

Battery Specifications

Model No		GSL-051280A-B-GBP2	
Nominal Parameters			
Battery Chemistry		LiFePO4	
Voltage		51.2V	
Operating Voltage		46-56V	
Capacity		280Ah	
Energy		14.34Kwh	
Scalability		Max.16pcs in parallel (229kWh)	
Usable Energy		12.91Kwh	
Charge/Discharge Current	Recommend	100A	
	Max.	150A	
	Peak(2mins,25°C)	200A	
Basic Parameters			
Recommend Depth of Discharge		80%	
Dimension (W/H/D)		900*675*200mm / 35.4*26.6*7.8 in	
Weight Approximate		128.5kgs / 283 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)		≥8500	
Installation		Wallmounted	
Communication Port		CAN2.0, RS485	
Warranty Period [3]		15 years	
Life Cycle Power During Warranty Period		64.80MWh@80% EOL	
Certification		UL1973, UL9540A, CB-IEC62619, CE-EMC, UN38.3, MSDS	