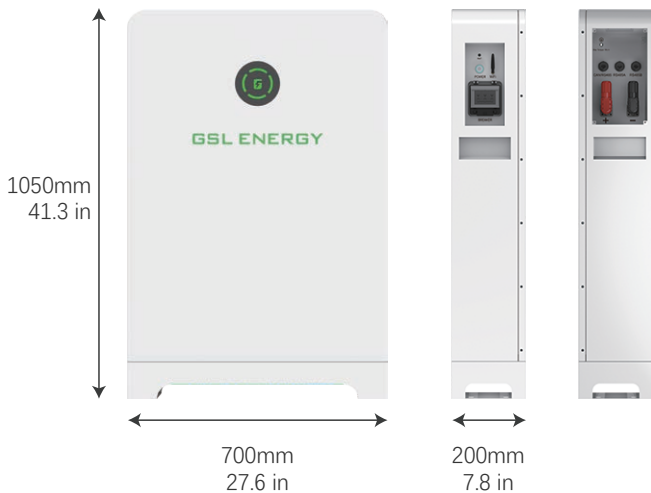


IP65
51.2V 280Ah 14.34kWh



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 251KW with single max module (14.34KWh) at 15pcs 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, CB-IEC62619, UL9540A, UL9540, 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.15pcs in parallel (251Wh)	
Recomend Discharge Energy (90% DOD)	12.90kWh	
Charge/Discharge Current	Recommend	150A
	Max.	200A
	Peak(1mins,25°C)	250A

Basic Parameters

Recommend Depth of Discharge	90%
Dimension (W/H/D)	700*1050*200mm
Weight Approximate	134.5kgs
Master LED Indicator	4 LED (SOC:25%~100%)
	2 LED (working, alarming, protecting)
Protection Level	IP65
Fire Protection System	Aerosol fire extinguisher
WiFi Module	Built-in WiFi module; APP function
Working Temperature	Charge:0°C ~ 55°C Discharge:-20°C ~ 55°C
Storage Temperature	0°C ~ 35°C
Humidity	5%~95%
Altitude	≤3000m
Cycle Life (25±2°C,0.5C/0.5C,80%EOL)	≥8500
Installation	Ground/Outdoor
Communication Port	CAN2.0, RS485
Warranty Period [3]	10 years
Certification	UL1973, UL9540A, UL9540, UN38.3, MSDS