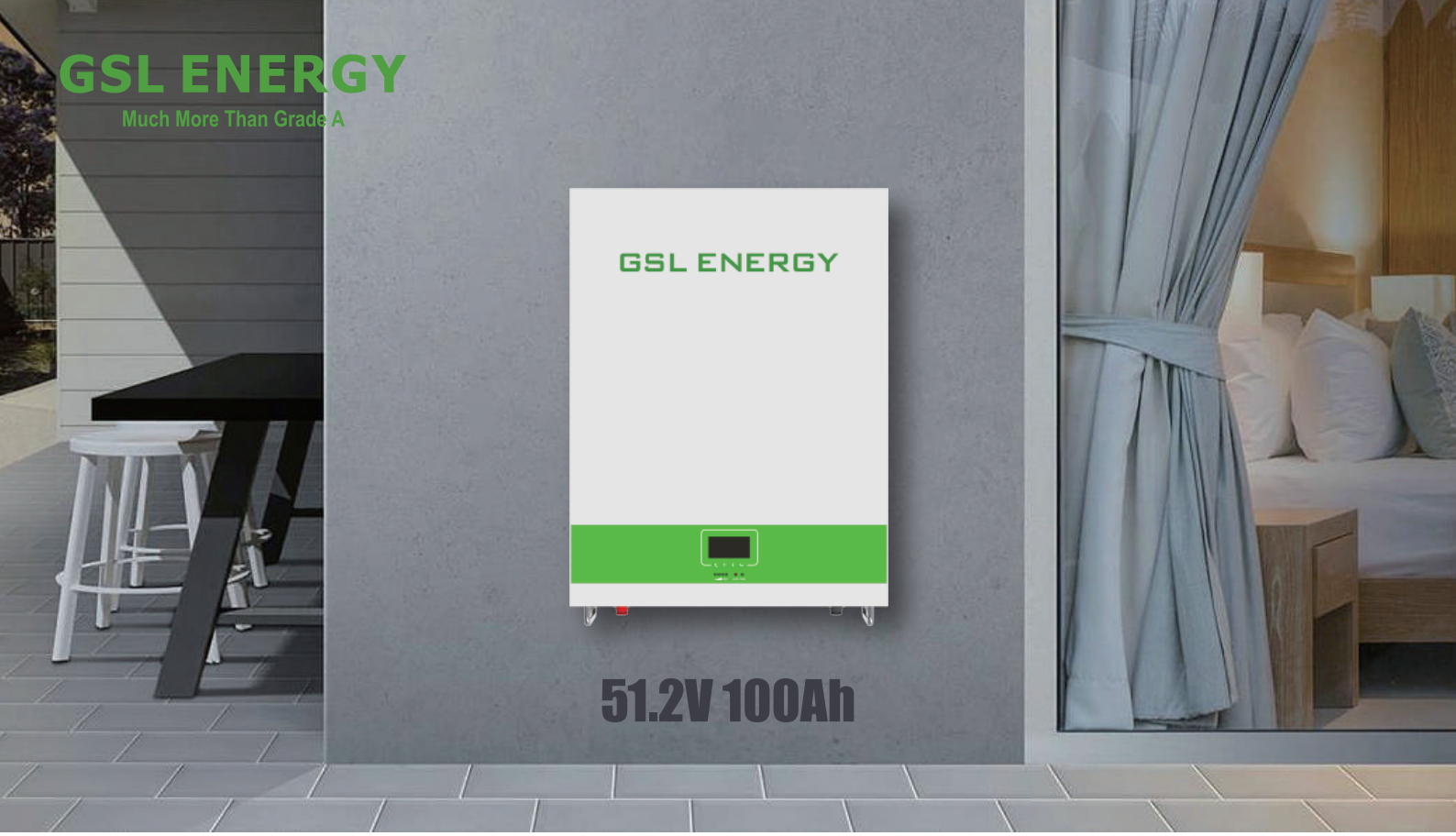



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GSL ENERGY has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, GSL ENERGY has delivered more than 138+ countries serving 100,000+ users.

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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.

Compatiblity

Compatible with most of the available Hybrid inverters.

Safety Cert

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

GSL ENERGY
Much More Than Grade A

SHENZHEN GSL TECH CO.,LTD
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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℃)	120A
Basic Parameters		
Recommend Depth of Discharge		90%
Dimension (W/H/D)		615*480*160mm / 24.2*18.9*6.3 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℃ ~ 55℃ Discharge:-20℃ ~ 55℃
Storage Temperature		0℃ ~ 35℃
Humidity		5%~95%
Altitude		⩽2000m
Cycle Life (25±2℃,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		UL1973, UL9540A, CB-IEC62619, CE-EMC, UN38.3, MSDS