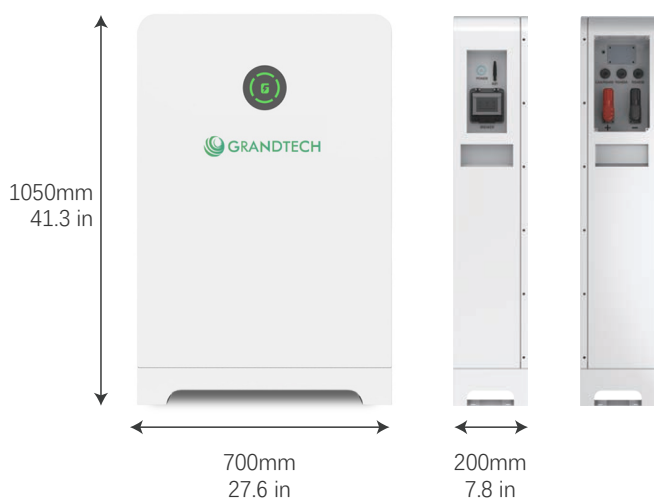
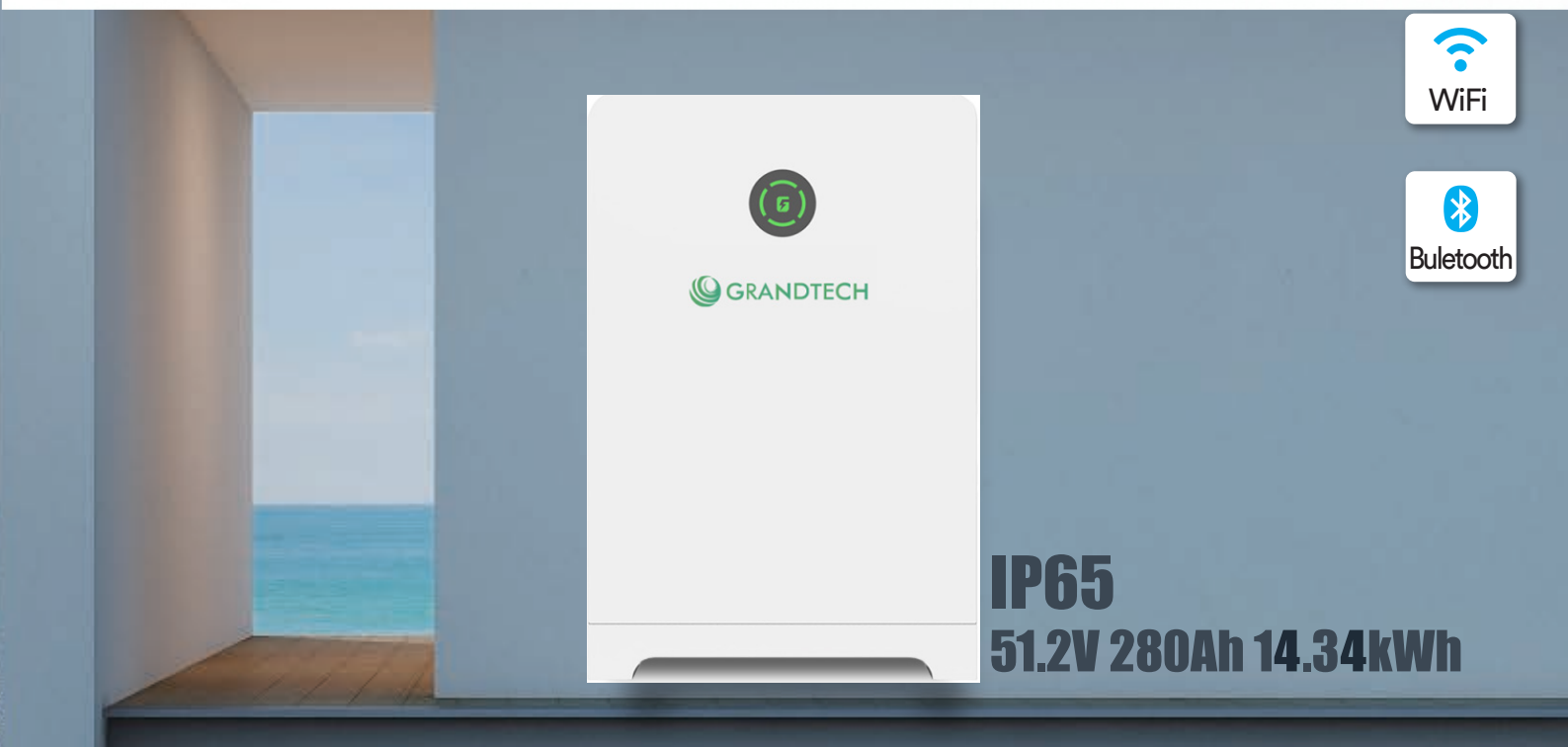




As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GRANDTECH has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, GRANDTECH has delivered more than 138+ countries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

✓ Long life and safety

Vertical industry integration ensures more than 8500 cycles.
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		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 (90% DOD)		12.9kWh
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*7.8 in
Weight Approximate		142KG
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		Floor-standing
Communication Port		CAN, RS485, WiFi,Buletooth
Warranty Period		10 years
Certification		UL1973, UL9540A, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS