



ENERGY STORAGE SYSTEM



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, Gobel Power has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in Cells / BMS / System Design, Gobel Power has delivered more than 20+ countries serving 100,000+ users.

www.gobelpower.com

✔ Long life and safety

Vertical industry integration ensures more than 7500 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 163KW with single max module (10.24KWh) 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

UL1642, IEC62619, CE, UN38.3, MSDS.

Battery Specifications

Model No	GP-PW5K-M1-51100	GP-PW10K-M1-51200
<i>Nominal Parameters</i>		
Voltage	51.2V	51.2V
Capacity	100Ah	200Ah
Energy	5.12KwH	10.24KwH
Dimensions (L x W x H)	720 x550 x200mm	720 x550 x200mm
Weight	60.5kg	102.5kg
<i>Basic Parameters</i>		
Life time(25°C)	15 years	
Life cycles(80% DOD, 25°C)	7500Cycles	
Storage time / temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C	
Operation temperature	-20°C to 60°C @60+/-25% Relative Humidity	
Storage temperature	0°C to 45°C @60+/-25% Relative Humidity	
Lithium Battery Standard	UL1642,IEC62619,UN38.3,ROHS,CE-EMC	
Enclosure protection rating	IP21	
<i>Electrical Parameters</i>		
Operation voltage	46-56 Vdc	46-56 Vdc
Max.charging voltage	56 Vdc	56 Vdc
Max.charging and discharging current	100A	150A
Max Power	5120W	10240W

