

Home Storage Battery Systems



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GREPSO 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, GREPSO ENERGY has delivered more than 138+ countries serving 100,000+ users

- ✔ **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 81.92kWh 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.
- ✔ **Compatibility**
 Compatible with most of the available Hybrid inverters.
- ✔ **Safety Cert**
 IEC62619, CE-EMC, UN38.3, MSDS

Battery Specifications

Model No	GP-10000U-10KWH
Nominal Parameters	
Battery Chemistry	LiFePO4
Voltage	51.2V
Operating Voltage	46-56V
Capacity	200Ah
Energy	10.24kWh
Max. Charge Voltage	56Vdc
Max. Charge Current	100A (5120W)
Max. Discharge Current	100A (7680W)
Basic Parameters	
Warranty Period [3]	10 years
Dimension (W/H/D)	590*435*165mm
Weight Approximate	50kgs
Master LED Indicator	4 LED (SOC:25%~100%)
	2 LED (working, alarming, protecting)
IP Rating of Enclosur	IP20 (Indoor use)
Storage Time/ Temperature	5months@25°C;3months@35°C;1month@45°C
Working Temperature	-20°C to 60°C @60+/-25% Relative Humidity
Storage Temperature	0°C to 45°C @60+/-25% Relative Humidity
Humidity	5%~95%
Altitude	≤3000m
Cycle Life - (25±2°C,0.5C/0.5C,80%EOL)	≥6500
Certification	IEC62619, CE-EMC, UN38.3, MSDS