

WALL-MOUNTED 51.2V 100Ah LiFePO₄ BATTERY

GP5120E-PRO



PRODUCT FEATURES

- SAFE**

Cobalt-Free LiFePO₄ Battery is safe, lasts and runs longer. High Energy density and comprehensive protection.
- ECO-FRIENDLY**

Eco-friendly materials, non-toxic and non-polluting.
- RELIABLE**

High current smart BMS, high efficiency discharge power, nature cooling, wide working temperature range from -20°C to 60°C.
- FLEXIBLE**

Wall or floor mounted easily. Modular design, easily expand, up to parallel more capacity. (Up to Parallel 32 Batteries)
- SMART**

LCD display, smart power monitoring. Automatic networking and IP addressing,easy maintenance.Remote monitoring and upgrading,compatible with all off-grid,hybrid and on-grid solar inverters.

APPLICATION

• Suitable for residential and commercial applications.



High-end villas



Residential electricity



Communication base station



Nomad Farm

PRODUCT PARAMETERS

Model NO.	51.2V100Ah Lithium Battery Pack
	GP5120E-PRO
Electrical Parameters	
Nominal Capacity	100Ah
Charging Voltage Range	55.2V-56.8V
Rated Voltage	51.2V
Voltage Range	44.8V~58.4V
Depth of Discharge (DOD)	≤ 90%
Maximum Discharge Current	100A
Maximum Charging Current	100A
General Parameters	
Battery Type	Lithium Iron Phosphate Lithium Ion Battery
Communication	CAN/RS485
Working Altitude	≤ 2000m
Working Temperature Range	Charging: 0°C~55°C/Discharging: -20°C~60°C
Operation Humidity	5%~95%
Storage Temperature Range	≤ 25°C@12 months; ≤ 35°C@6 months; ≤ 45°C@3 months
Life Cycle	> 6000@25±2°C,0.5C/0.5C, 80%EOL
Cooling	Natural cooling
Noise	<30dB
Ingress Protection Rating	IP54
Dimensions [H*W*D]	600*410*160mm
Net Weight	48Kg
Warranty	5 Years
Certification	IEC 62619 UN 38.3