



51.2V 100AH LiFePO4 Battery HYPERCUBE



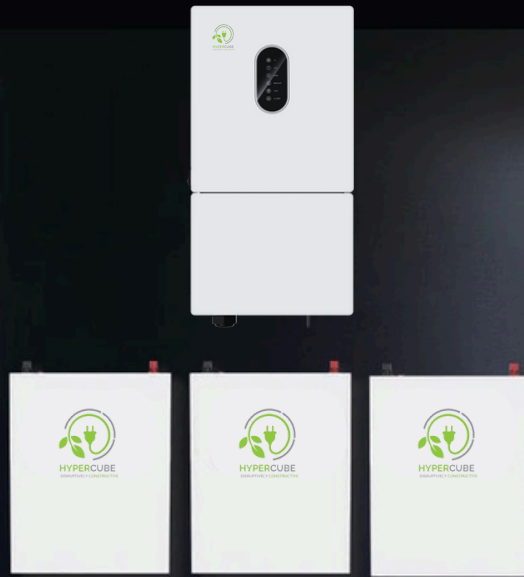
Features

- ✓ **Convenient**
Quick installation, standard of 19-inch embedded designed module is comfortable for installation and maintenance.
- ✓ **Eco-friendly**
The whole module is non-toxic, non-polluting and environmentally friendly.
- ✓ **Safe and reliable**
Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.
- ✓ **Flexible configuration**
Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, WIFI upgrade (optional), remote upgrade (Compatible with GSL inverter).
- ✓ **Intelligent BMS**
It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.
- ✓ **Wide temperature**
Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

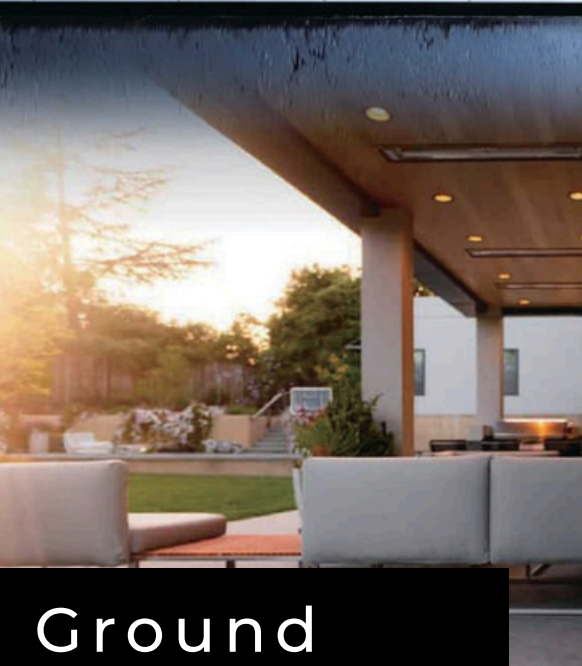
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Wallmount



Ground



Stackable



Datasheet

Home Energy Storage Lithium Ion Battery Pack



Main Parameter		HR5000
Battery Chemistry		LiFePO4
Capacity (Ah)		100
Scalability		Max.16pcs in parallel(81.92kWh)
Nominal Voltage (V)		51.2
Operating Voltage(V)		46-56
Energy (kWh)		5.12
Usable Energy (kWh) ^[1]		4.61
Charge/Discharge Current (A)	Recommend ^[2]	50
	Max. ^[2]	80
	Peak(2mins,25°C)	100
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D,mm)		420*550*132.5
Weight Approximate(kg)		45
Master LED indicator		4LED(SOC:25%~100%) 2LED (working, alarming, protecting)
IP Rating of enclosure		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)		≥6000
Installation		19inch Rack-mounted
Communication Port		CAN2.0, RS485
Warranty Period ^[3]		5 years
Life Cycle Power During Warranty Period ^[3]		22.42MWh@80%EOL
Certification		CB-IEC62619, CE-EMC, MSDS, UN38.3