

Energy Storage Battery



- Safe and reliable
- Environment Friendly
- Builtin extinguisher system
- Flexible application
- Built-in control system
- Easy installation and free maintenance



5kW 51.2V Power Stacked Lithium Battery



Parameter

Stacked Energy Storage Battery (Home)

Model	5kw+5.12kwh	5kw+10.24kwh	5kw+15.36kwh	5kw+20.48kwh	5kw+25.6kwh
Single module capacity	5.12kWh				
Module number	1pcs	2pcs	3pcs	4pcs	5pcs
Total energy capacity	5.12kwh	10.24kwh	15.36kwh	20.48kwh	25.6kwh
Standard voltage	51.2V				
Working voltage	43.2v-57.6V				
Standard discharge current	100A				
Standard charging current	50A				
Suggested DOD	90%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232(WIFI,blue-tooth is optional and need extra cost)				
Product size/unit	550*500*185mm				
N.W./unit	40kg				
Battery Input					
Rated Battery Input Voltage	51.2V (Minimum Startup Voltage 44V)				
Hybrid Charging Max Charging Current	80A				
Battery Voltage Range	40Vdc~60Vdc ± 0.6Vdc(Under voltage Warning/Shutdown Voltage/Over voltage/Warning/Over voltage Recovery...)				
Solar Input					
Maximum PV Open-circuit Voltage	500VDC				
PV Working Voltage Range	120-500VDC				
MPPT Voltage Range	120-450VDC				
Maximum PV Input Current	18A				
Maximum PV Input Power	5200W				
Maximum PV Charging Current	80A				
AC Input (On-grid)					
Mains Maximum Charging Current	60A				
Rated Input Voltage	220/230VAC				
Input Voltage Range	UPS Mains Mode: (170VAC~280VAC)±2% APL Generator Mode: (90VAC-280VAC)±2%				
Frequency	50Hz/ 60Hz (Automatic Detection)				
Mains Charging Efficiency	>95%				
Switch Time (bypass and inverter)	10ms(Typical Value)				
Maximum Bypass Overload Current	40A				
AC Output (On-grid)					
Output Voltage Waveform	Pure Sine Wave				
Rated Output Voltage (VAC)	230VAC (200/208/220/240VAC)				
Rated Output Power (VA)	5000(4350/4500/4800/5000)				
Rated Output Power(W)	5000(4350/4500/4800/5000)				
Peak Power	10000VA				
On-load Motor Capacity	4HP				
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz				
Maximum Efficiency	>90%				
No-load Loss	Non Energy-saving Mode: <50W Energy-saving Mode: <25W (Manual Setup)				

Introduction

This power Stacked mode lifepo4 lithium battery belongs to one of the series of household energy storage products that are independently designed and developed. It has long cycle life, high safety standard BMS software protection and strong housing, exquisite looks, and easy installation, etc. It is widely used in energy storage system with off-grid inverters, on-off grid inverters and hybrid inverters.

Feature

- ✓ >6000 times deep cycle charge and discharge
- ✓ 5.12kWh per pack, **Max.15 packs** in parallel
- ✓ Protection functions of BMS ensure the safety and long service life
- ✓ Modular design, light weight, small size, easy installation

Application



Communication base station energy storage



Home energy storage



Backup power



Solar panels



Industrial energy storage



Mountain communication base station



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