

# Low Voltage Stacked LifePO4 Battery



## 5/10kW Stacked LifePO4 Battery



# Parameter

## Stacked Energy Storage Battery (Home)

Model	XPC5kw+5.12kwh	XPC5kw+10.24kwh	XPC5kw+15.36kwh	XPC5kw+20.48kwh	XPC5kw+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	43kg				
<b>Battery Input</b>					
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...)				
<b>Solar Input</b>					
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	5500W				
Maximum PV Charging Current	80A				
<b>AC Input (On-grid)</b>					
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				

## 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.

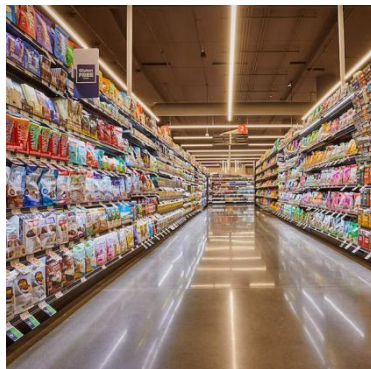
## Feature

- ✓ >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



School



Supermarket



Hospital



House



Villa



Airport



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