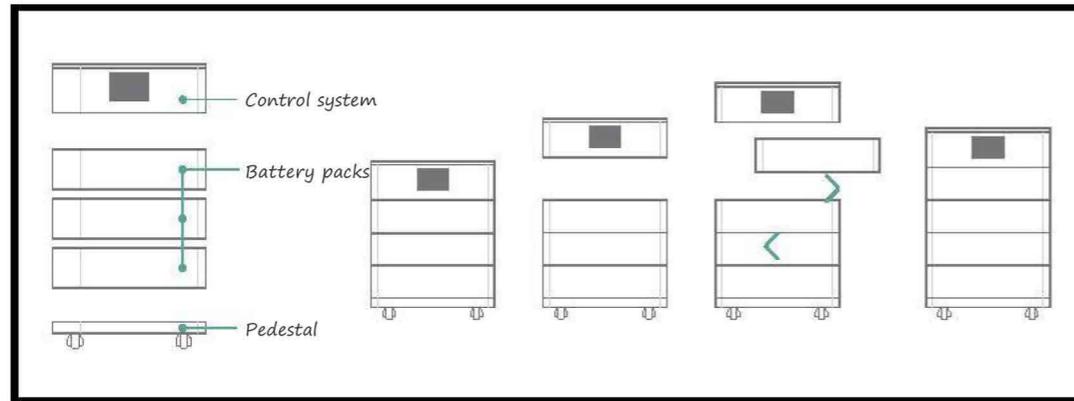


Stacked Low-Voltage Battery System

Application:

Home Storage system; Solar Energy Storage System;
Communication Base Station Energy Storage; Backup Power System; ESS; UPS; ect.



- High performance LFP battery cells of major brands are selected, with cycle life of 5000 and service life of more than 10 years. The comprehensive operation cost is low.
- With Perfect BMS protection function and all-round control system, the battery can run safely and efficiently.
- The touch LCD screen can check the operation state and data in real time, and grasp all the information of the battery accurately.
- Unified model and maximum versatility design, there is no need to arrange and combine battery packs in a fixed order.
- CAN, RS485 and RS232 communication protocols are supported, and inverters of various brands can be matched
- With standard modularization design, wireless assembly and disassembly is truly realized, convenient and fast, simple and beautiful.



Battery pack parameters				
Battery pack model	51.2V100Ah	51.2V100Ah	51.2V100Ah	51.2V100Ah
Battery cell type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Serial/Parallel	16S1P	16S1P	16S1P	16S1P
Battery pack dimension	700*460*166MM	700*460*166MM	700*460*166MM	700*460*166MM
Battery pack weight	38KG	38KG	38KG	38KG
Number of battery packs	3PCS	2PCS	3PCS	4PCS
Certification	UN38.3/UL/IEC62619/MSDS			
System parameters				
Rated voltage	51.2V	96V	153V	192V
Working voltage range	40V-58.4V	69V-109.5V	97V-174V	138V-219V
Charge voltage	54.4V-55.2V	103.5V-103.5V	163V-163V	207V-213V
Floating charge voltage	53.6V-54.4V	100.5V-102V	160V-163V	210V-204V
Rated capacity	300Ah	100Ah	100Ah	100Ah
Energy	15.36KWH	10.24KWH	15.36KWH	20.48KWH
Rated charge current	100A	100A	100A	100A
Peak charge current	100A	100A	100A	100A
Rated discharge current	100A	100A	100A	100A
Peak discharge current	150A	150A	150A	150A
Product dimension(L*W*H)	700*460*694MM	731*470*520MM	700*460*694MM	700*460*839MM
Product weight	130KG	90KG	130KG	167KG
Other parameters				
Charge temperature	0-55℃			
Discharge temperature	(-)10-55℃			
Optimum temperature	15-25℃			
Cooling method	Natural cooling			
Relative humidity	5%-95%			
Altitude	≤2000M			
Cycle life	≥5000@80%DOD, 0.5C/0.5C, 25℃			
Communication interfaces	CAN/RS485/RS232			
Protection	Over temperature, over current, over voltage, insulation and other multiple protection, etc			
Display	LCD touch screen			
Design lifetime	≥10 years			
Certification	UN38.3/UL/IEC62619/MSDS			
Application	Communication backup /Solar/Wind energy storage and ESS for home ect.			