



Residential & Commercial ESS HV51200 10.24kWh Module

R80/ R100/ R120/ R130K



>8500
Cycles

10 years
Warranty

60kWh ~ 130kWh
Flexible Expansion

5 units
Parallel connection

PRODUCT FEATURES



Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life



Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power



Convenient

Quick installation standard of 19 inch embedded designed module is comfortable for installation and maintenance



Intelligent BMS

Protection functions including over discharge, over charge, over current and over high or low temperature

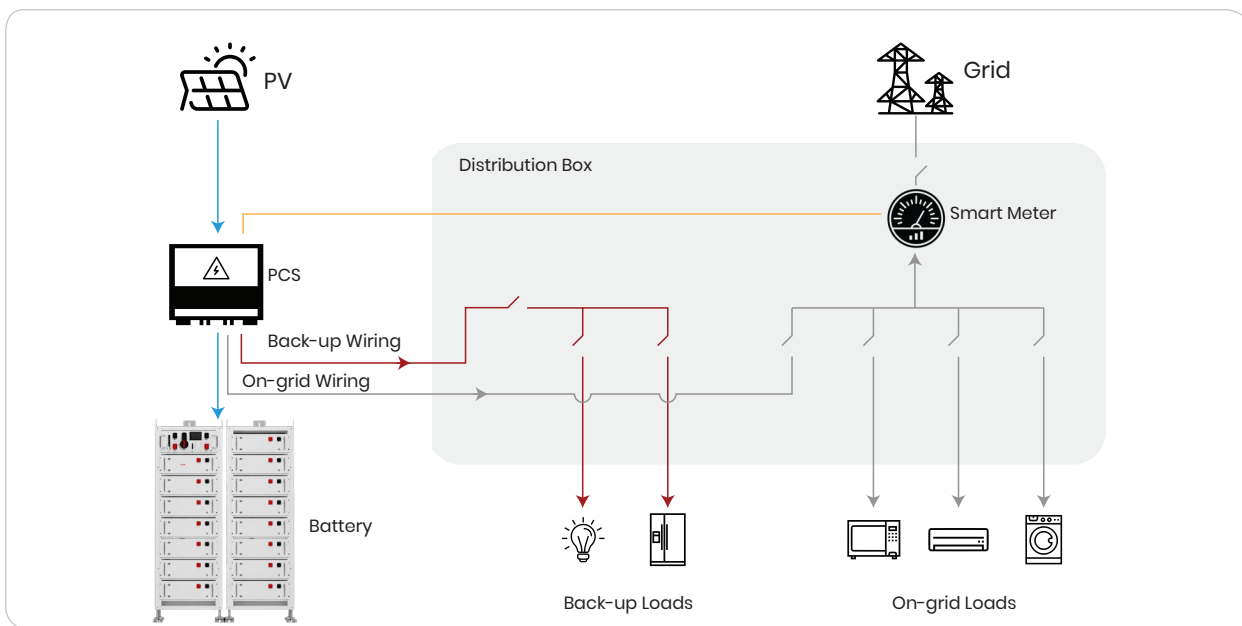


Applications

Residential energy storage
Commercial and industrial energy management
Emergency power backup
Off-grid power solutions
Renewable energy integration



SPECIFICATIONS



Model	R80K	R100K	R120K	R130K
Nominal Capacity (kWh)	81.92	102.4	122.88	133.12
Cell Matching	128S2P	160S2P	192S2P	208S2P
Nominal Voltage (V)	409.6	512	614.4	665.6
Working Voltage Range (V)	358.4-460.8	448-576	537.6-691.2	582.4-748.8
Weight (kg)	969.6	1172	1294.4	1456.8
Number of Battery Modules	8	10	12	13
Dimension (WxDxH mm)	1700*1200*1700			
Battery Type	LFP (LiFePO4)			
Nominal Working Current	100A			
Communication Port	CAN / TCP / IP			
Working Temperature Range	Charge:0-55°C / Discharge:-20-55°C			
Waterproof	IP20			
Installation Method	Floor-standing			
Cycle Life	8500			
Warranty Period	10 years			
Peak Charge/Discharge Current (@25°C,5S)	200A			
Discharge Rate of Module	≤3.5% / month / @25°C			
Parallel Connection	5 units in parallel			

If the size and parameters of the product are changed, the latest information will prevail without further notice.