



Modular high-voltage battery cabinet

Residential ESS

RFN-HV51200 10.24kWh Module

R80 / R100 / R120 / R130K



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



Eco friendly

The whole module is non toxic, non polluting and environmentally friendly



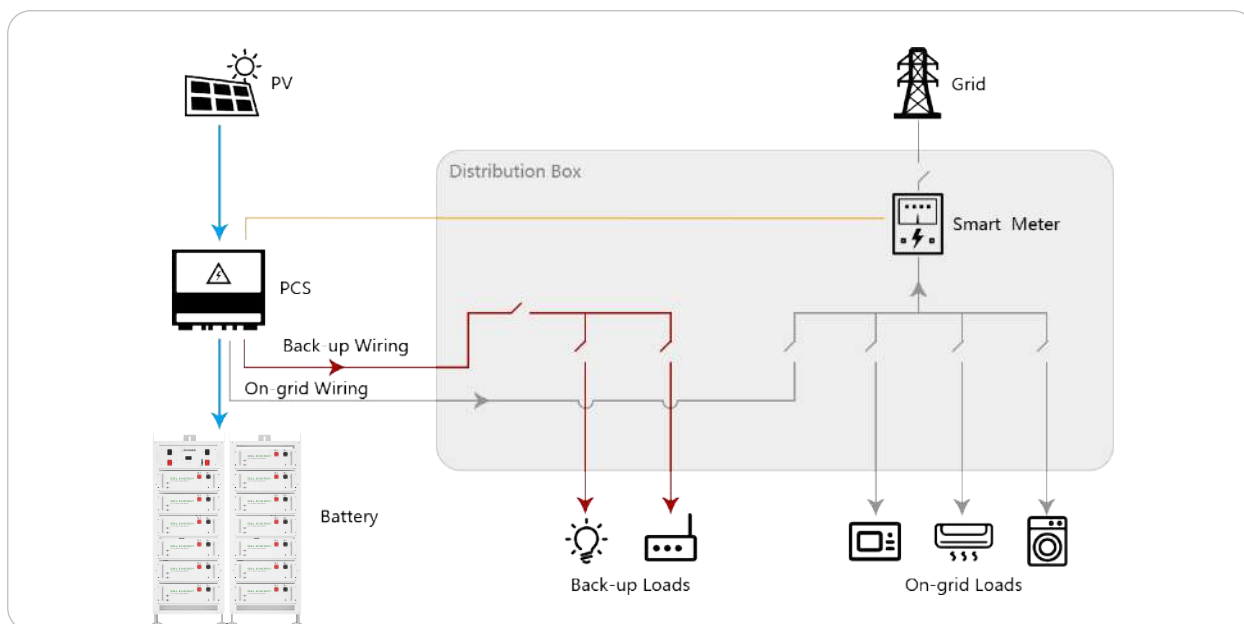
80kWh

100kWh

120kWh

130kWh

Datasheet



Model	R80K	R100K	R120K	R130K
Nominal Capacity (kWh)	81.92	102.4	122.88	133.12
Cell Matching	128S1P	160S1P	192S1P	208S1P
Nominal Voltage (V)	409.6	512	614.4	665.6
Working Voltage Range (V)	388-448	460-560	552-672	598-728
Weight (kg)	843.7	1029.7	1215.6	1401.6
Dimension (WxDxH mm)	1200*950*1580			
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	6500			
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			