



Modular high-voltage battery cabinet

Residential ESS

RFN-HV51100 5.12kWh Module

R20 / R30 / R40 / R50 / R60K



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



20kWh



30kWh



40kWh

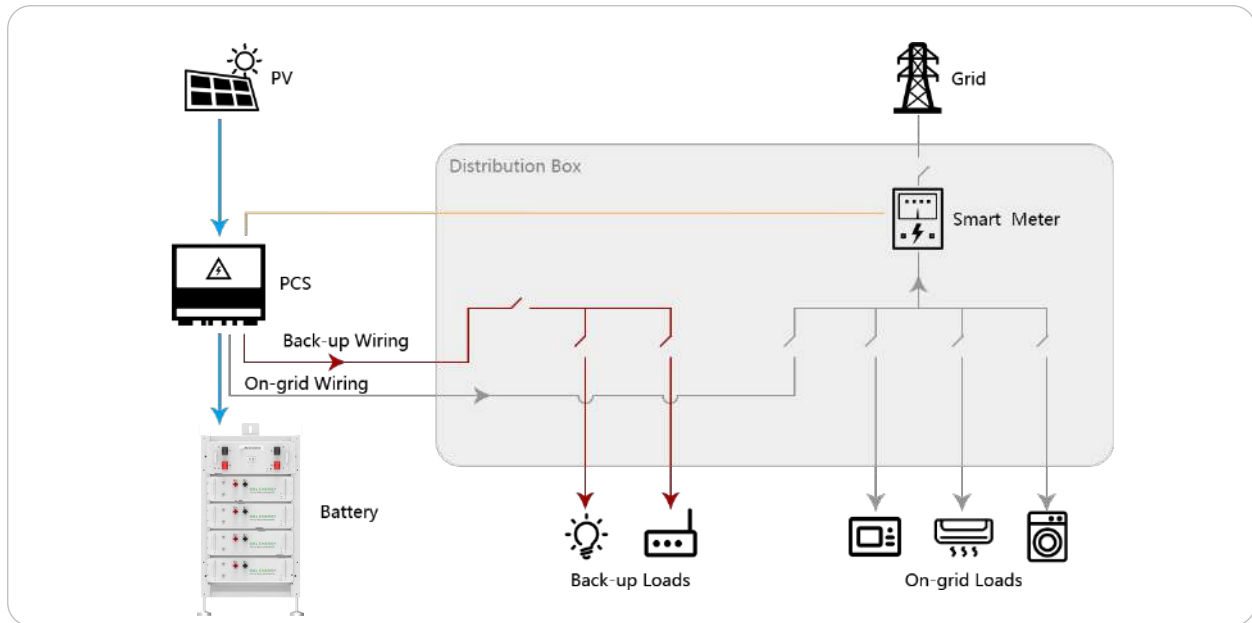


50kWh



60kWh

Datasheet



Model	R20K	R30K	R40K	R50K	R60K
Nominal Capacity (kWh)	20.48	30.72	40.96	51.20	61.44
Cell Matching	64S1P	96S1P	128S1P	160S1P	192S1P
Nominal Voltage (V)	204.8	307.2	409.6	512	614.4
Working Voltage Range (V)	179.2-230.4	268.8-345.6	358.4-460.8	448-576	537.6-691.2
Weight (kg)	201.4	309.6	392.8	499	582.2
Dimension (WxDxH mm)	553*503*1011	553*503*1620	553*503*1620	553*503*2230	553*503*2230
Battery Type	LFP(LiFePO4)				
Nominal Working Current	100A				
Communication Port	CAN/RS485				
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)	150A				
Discharge Rate of Module	≤ 3.5%/month/@25°C				