



# Residential & Commercial ESS HV51314 16.08kWh Module

R128/ R144/ R160/ R176/ R192/ R209K



**>8500  
Cycles**

**10 years  
Warranty**

**112kWh ~ 209kWh  
Flexible Expansion**

**32 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

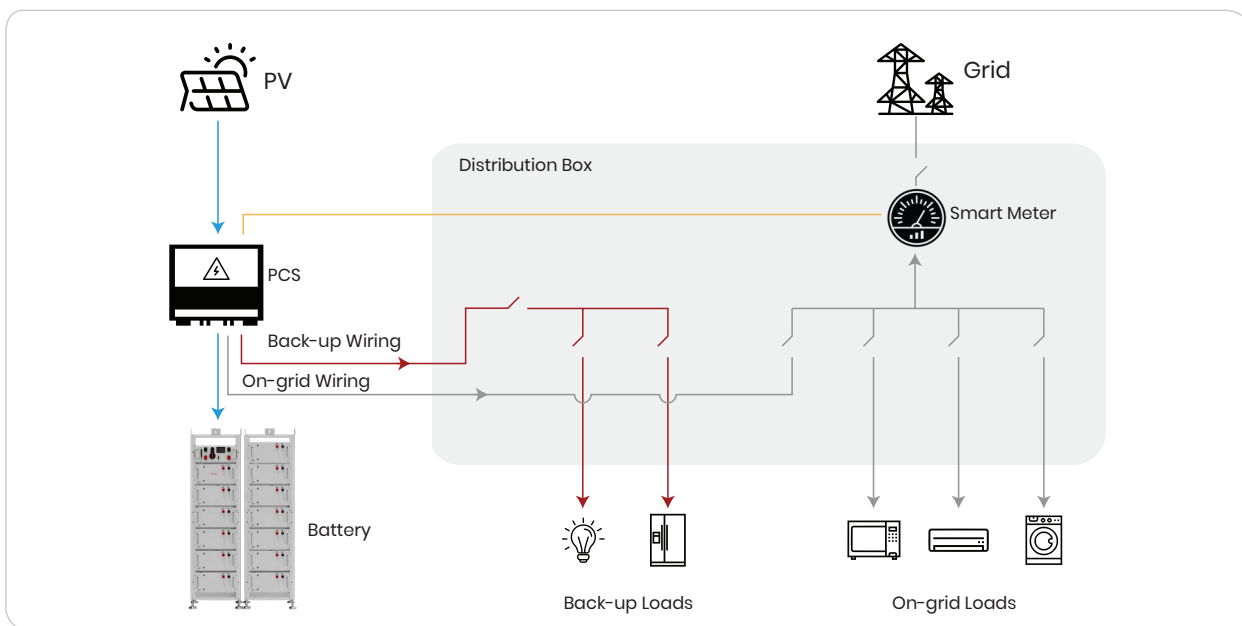


### Applications

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



# SPECIFICATIONS



Model	PCE-R112K	PCE-R140K	PCE-R160K	PCE-R170K	PCE-R190K	PCE-R209K
Nominal Capacity (kWh)	128.64	144.72	160.08	176.88	192.96	209.04
Cell Matching	128SIP	144SIP	160SIP	176SIP	192SIP	208SIP
Nominal Voltage (V)	409.6	460.8	512	563.2	614.4	665.6
Working Voltage Range (V)	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2	598-728
Weight (kg)	1245	1358	1470	1583	1744.5	1974.5
Number of Battery Modules	8	9	10	11	12	13
Dimension (WxDxH mm)	1200*1000*2200					
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.