



Residential Battery Energy Storage Solution

- ⦿ Minimalist design, practical and elegant
- ⦿ IP55 Rating, suitable for outdoor and indoor installation
- ⦿ Supports wifi, Bluetooth, remote monitoring, diagnosis and upgrade
- ⦿ Wiring free design, ultra-convenient for installation and capacity expansion
- ⦿ Highly modular design to meet different capacity demands

Electrical characteristics (High Voltage Series)

Model	PowerCore Home-HV10	PowerCore Home-HV15	PowerCore Home-HV19	PowerCore Home-HV23
Battery Type	LFP	LFP	LFP	LFP
Configuration	1P72S	1P96S	1P120S	1P144S
Rated Voltage	230.4V	307.2V	384V	460.8V
Rated Energy	11.52kWh	15.36kWh	19.2kWh	23.04kWh
Electrical Parameters				
Rated Charging Current	25A	25A	25A	25A
Max. Charging Current	50A	50A	50A	50A
Rated Discharging Current	25A	25A	25A	25A
Max. Discharging Current	50A	50A	50A	50A
Voltage range	201.6~259.2V	268.8~345.6V	336~432V	403.2~518.4V
Mechanical Parameters				
Dimensions (W*D*H)	635*335*565mm	635*335*710mm	635*335*855mm	635*335*1000mm
Weight	130.5kg	170kg	209.5kg	249kg
Communication interface	CAN/RS485			
IP Rating	IP55			
Cooling	Natural cooling			
Operating Conditions				
Operating Humidity	10%~95%			
Ambient Temperature	Charge: 0C~45°C, Discharge: -20°C~45°C			
Altitude	<2000m; (derating, >2000m)			
Mounting	Floor standing			
Cycle Life	8000 cycles			
Compliance	IEC62619/UN38.3			
Warranty	5 years/10 years			

Electrical characteristics (Low Voltage Series)

Model	PowerCore Home-LV05	PowerCore Home-LV10	PowerCore Home-LV15	PowerCore Home-LV20
Nominal Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Usable Energy (90%DOD)	4.61kWh	9.21kWh	13.83kWh	18.43kWh
Rated Voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V
Roundtrip efficiency	>95%	>95%	>95%	>95%
Rated charge/discharge current	50A	100A	150A	150A
Max. charge/discharge current	50A	100A	150A	150A
Max. discharge power	2.56kW	5.12kW	7.68kW	7.68kW
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker,250A,48V rating			
Connection method	Quick plug and unplug terminals			
User interface	Display battery running status,SOC,alarm,WIFI status,heater status,etc.			
Protection features	Charging overvoltage protection,discharge under-voltage protection,over current protection,over temperature protection,short circuit protection,etc.			
Scalability	Max.2 in parallel,Max.40kWh			
Operating conditions				
Installation location	Outdoor or indoor			
Operating temperature	14°F to 122°F(-10°C to 50°C)			
Operating temperature (Recommended)	59°F to 113°F (-15°C to 45°C)			
Storage temperature	-22°F to 140°F (-30°C to 60°C)			
Humidity	10% to 95%,non condensation			
Dimensions(W*D*H,mm)	665*200*503	665*200*771	665*200*1039	665*200*1306
Weight	62.5kg	111.5kg	160.5kg	209.5kg
IP rating	IP55			
Altitude	<2000m			
Cooling	Natural cooling			
Warranty	5 years/10 years			
Compliance				
Safety	IEC62619			
Transport	UN38.3			