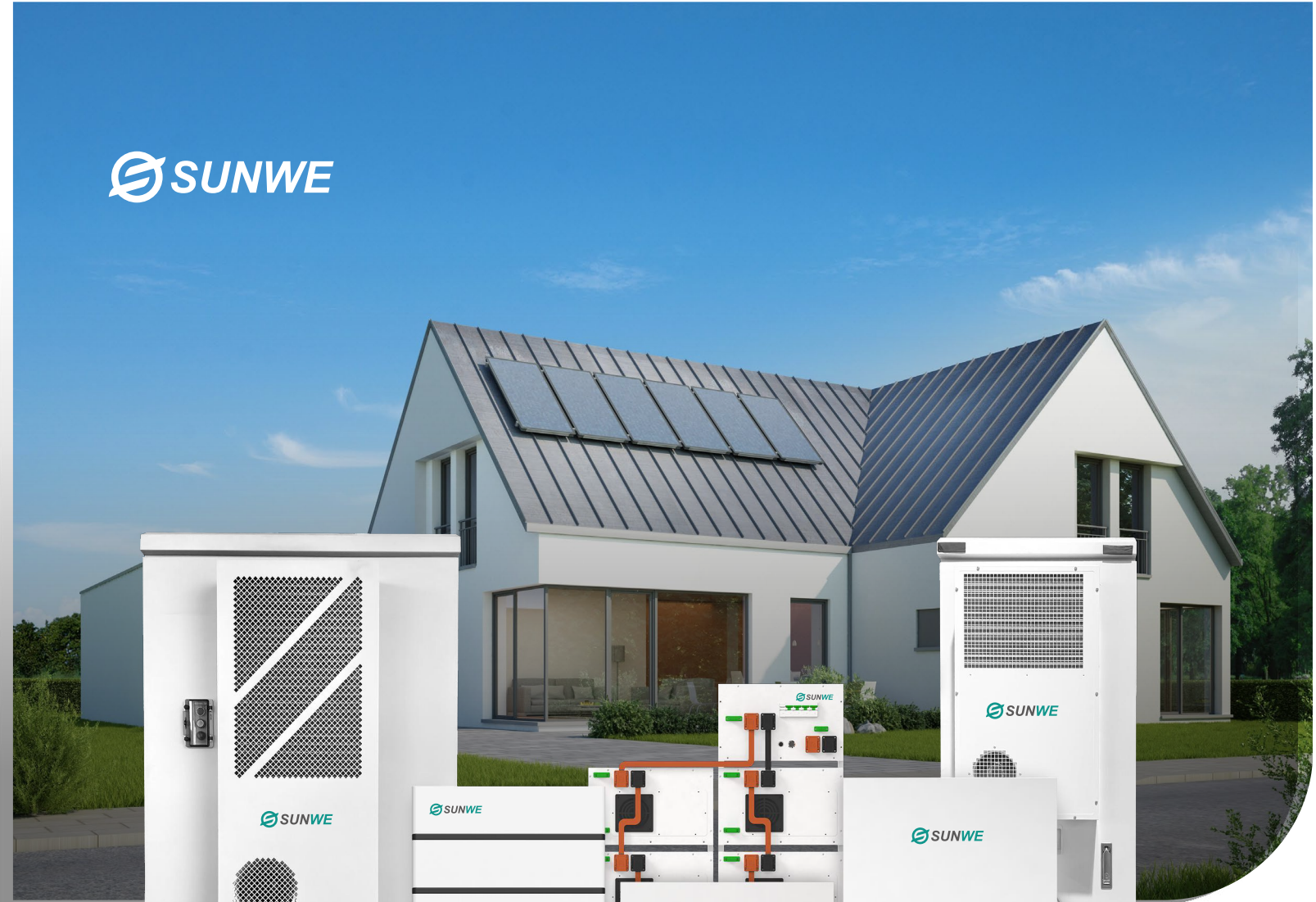




Global Headquarters

No.108, Huishan Road, Wuxi City,
iangsu Province, China.

Solar Module
Manufacturing Base

No. 9, Development Ave.,
High-tech Industrial Park, Siyang County,
Suqian, Jiangsu Province.



Sunwe Power Co.,Ltd.
Add: No.108, Huishan Road, Wuxi City, Jiangsu Province, China 214000.



Sunwe Power Co.,Ltd.

ENTERPRISE INTRODUCTION

ABOUT US

Sunwe Power Co.,Ltd. ,has been rooted in the field of integrated applications of lithium batteries for many years, focusing on the research and development, production, and sales of full industry chain products such as household energy storage lithium batteries, industrial and commercial energy storage lithium batteries, lithium battery BTMS thermal management systems, lithium battery BMS control systems, EMS energy management systems, etc. It is a global leading new energy enterprise.

2023
establish

6years+
Manufacturing
experience

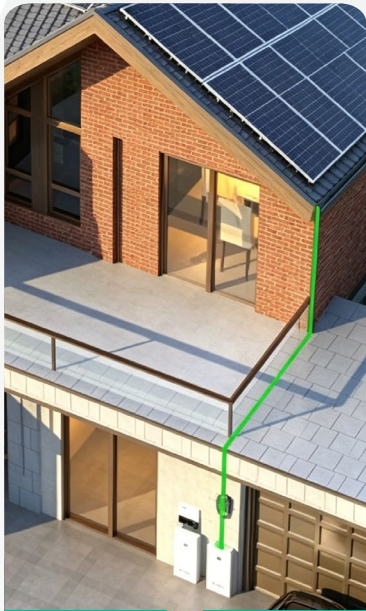
OEM&ODM
support



PRODUCT CENTER



Product Application



Residence



Data center



Power Plant



Industry commerce



EV Charging Station

Liquid cooling high and low voltage Home storage all-in-one machine

Rated output power
8/11/12kW

Battery capacity
13.4/16kWh

Battery voltage
268.8/51.2V

Liquid cooling high and low voltage Energy storage lithium battery

Battery capacity
13.4/16kWh

Battery voltage
268.8/51.2V

Low voltage floor or wall mounted Energy storage lithium battery

Battery capacity
5/10.2/14.3/16kWh

Battery voltage
51.2V

High voltage stacked Energy storage lithium battery

Battery capacity
15.3-51.2kWh

Battery voltage
153.6-512V

High voltage rack-mounted Energy storage lithium battery

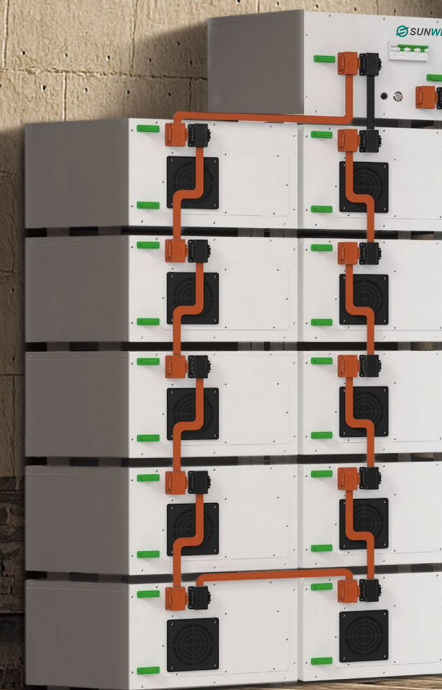
Battery capacity
51.2-102.4kWh
80.3-160kWh

Battery voltage
256-51.2V

High-voltage industrial and commercial energy storage cabinet

Battery capacity
45/60/96/120/192/241
kWh

Battery voltage
307.2-768V



CLASSIFICATION

Spontaneous self use

The excess electricity generated by solar power during the day is stored and used when needed, significantly reducing the need to purchase electricity from the grid.

Emergency power supply

When the power grid is cut off, the energy storage system can automatically supply power, ensuring the operation and safety of important electrical appliances.

Peak load shifting

Home energy storage discharges during peak hours and charges during off peak hours, which helps balance the load on the power grid.

Renewable energy utilization

By using more clean energy, households can reduce their carbon footprint and contribute to environmental protection.

Grid

On-grid load

PV Panel

Back-up load

Home storage all-in-one machine

EV

Schematic diagram of household energy storage system case

Model **ELEBOX-5K-HV**

Residential high-voltage stacked floor standing lithium energy storage battery



High safety



≥ 6000 cycles



Multi brand
inverter
communication



Easy and fast
installation



Reduce
dependence on
the power grid



5-year
warranty



Model	ELEBOX-5K-HV							
Module	5120Wh, 51.2V, 52kg, 630/390/169mm							
Number of modules	3	4	5	6	7	8	9	10
Battery capacity (Wh)	15360	20480	25600	30720	35840	40960	46080	51200
Rated voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Working voltage range (V)	139.2-172.8	185.6-230.4	232-288	278.4-345.6	324.8-403.2	371.2-460.8	417.6-518.4	464-576
Battery size (mm)	754/	923/	1092/	1261/	1430/	1599/	1769/	1937/
(H * W * D)	630/390	630/390	630/390	630/390	630/390	630/390	630/390	630/390
Battery weight (KG)	177	229	281	333	351	397.5	489	541
Type	LFP							
Max. charge/discharge current (A)	55/55							
Continuous charge/discharge current (A)	50/50							
Operating Temperature Range (°C)	0-55							
communication interface	CAN/RS485							
Cycle times (80% DOD, 25 °C)	≥6000							
protection grade	IP65							
Installation form	Stacked Floor Mount							
Working humidity	≤95%rh No condensation							
Storage environment humidity	≤95%rh No condensation							
Working altitude (m)	≤3000							
storage temperature	≤25℃ ,12 months; ≤35℃ ,6 months; ≤45℃ ,3 months							

Certification: CE,IEC62619,UN

Model **ELESHELL16K**

Low voltage floor standing energy storage lithium battery for household



High safety



≥ 8000 cycles



Multi brand inverter communication



Max. parallel connection of 16 units

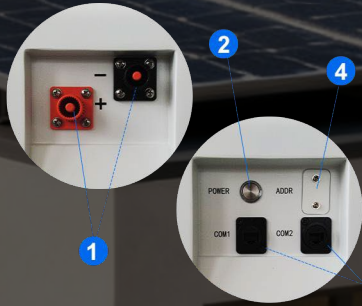


Reduce dependence on the power grid



5-year warranty

Lithium battery pack



- 1. Power interface
- 2. Battery on button
- 3. Communication interface
- 4. Dialing port



255mm

415mm

780mm

Model	ELESHELL16K	
Battery Capacity(wh)	16076	
Number of cells	1P8S*2	
Cell Type	LFP	
Nominal Voltage (V)	51.2	
Operating Voltage Range (V)	46.4~57.6	
Max.Charge /Discharge Current (A)	155/200	
Continuous Charging/Discharging Current (A)	145/155	
Max.charge/discharge Power (W)	7936/10240	
Dimension (H*W*D mm)	780*415*255	
Weight(KG)	121	
Operating Temperature Range(°C)	0-55	
Max.Number of Parallel	15	
Communication	RS232 / RS485 / CAN	
Cycle Life (80%DOD,25°C)	>8000	
Ingress Protection Rating	IP54	
Installation	Floor mounting	
Relative Humidity	≤95%rh No condensation	
Humidity of storage environment	≤95%rh No condensation	
Max. Operating Altitude (m)	≤3000	
Storage Temperature	≤25℃ ,12 months; ≤35℃,6 months; ≤45℃,3 months	

Certification:UN38.3,CE,CE-LVD,IEC62619,ROHS

Model **ELESHELL10.2K**

Low voltage floor or wall mounted lithium energy storage batteries for household



High safety



≥ 6000 cycles



Multi brand inverter communication



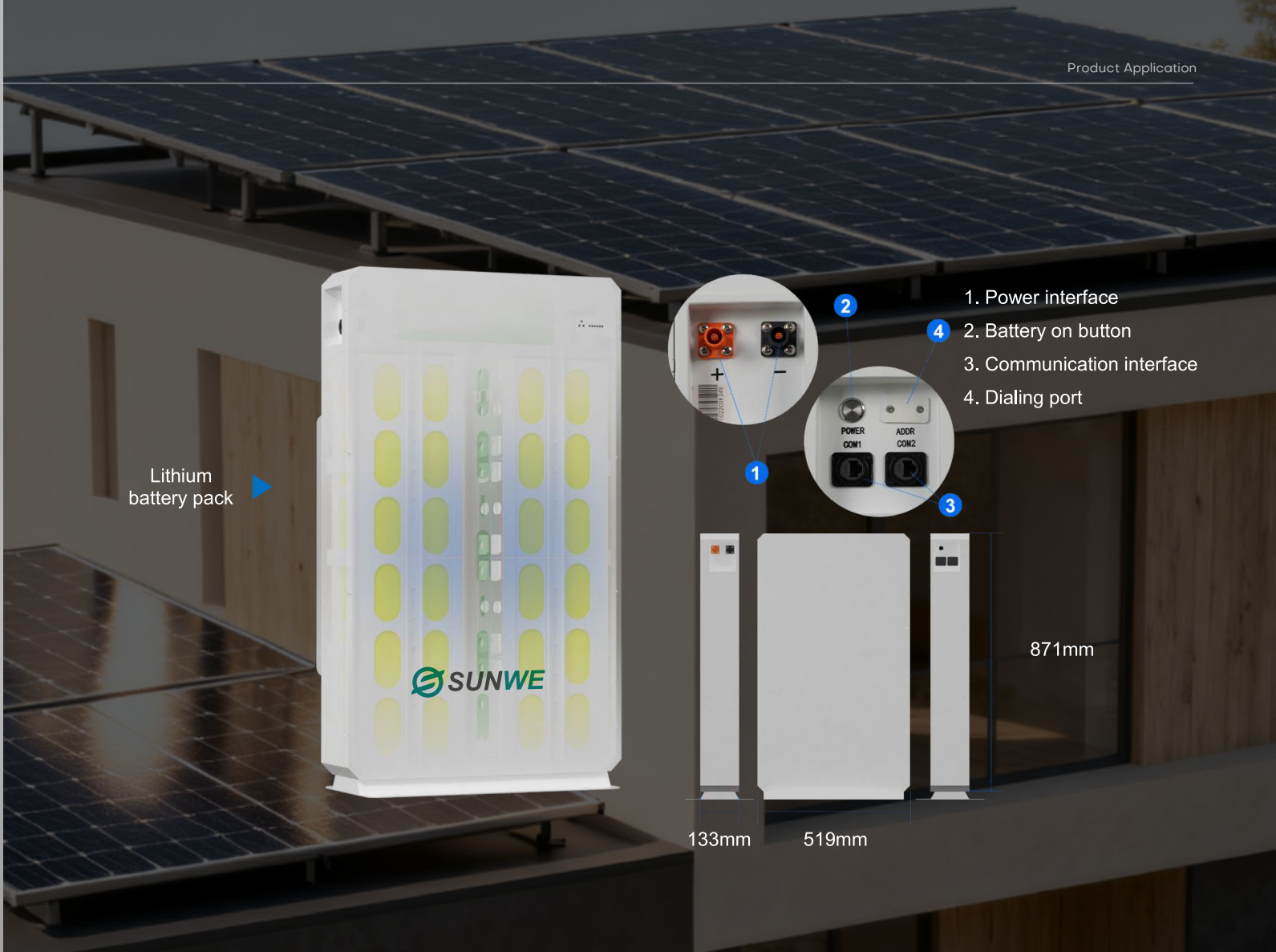
Max. parallel connection of 16 units



Reduce dependence on the power grid



5-year warranty



Model	
Battery Capacity(wh)	10240
Number of cells	1P8S*2
Cell Type	LFP
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	46.4~57.6
Max.Charge /Discharge Current (A)	105/120
Continuous Charging/Discharging Current (A)	100/110
Max.charge/discharge Power (W)	5376/6144
Dimension (H*W*D mm)	871*519*133
Weight(KG)	92
Operating Temperature Range(°C)	0-55
Max.Number of Parallel	15
Communication	RS232 / RS485 / CAN
Cycle Life (80%DOD,25°C)	>6000
Ingress Protection Rating	IP54
Installation	Wall or floor mounting
Relative Humidity	≤95%rh No condensation
Humidity of storage environment	≤95%rh No condensation
Max. Operating Altitude (m)	≤3000
Storage Temperature	≤25℃ ,12 months; ≤35℃,6 months; ≤45℃,3 months

Certification:UN38.3,CE,CE-LVD,IEC62619,ROHS

Model **ELESHELL5K**

Low voltage floor or wall mounted lithium energy storage batteries for household



High safety



≥ 6000 cycles



Multi brand
inverter
communication



Max. parallel
connection of
16 units

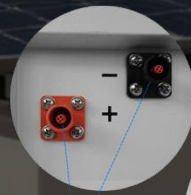


Reduce
dependence on
the power grid



5-year
warranty

Lithium
battery pack



- 1. Power interface
- 2. Battery on button
- 3. Communication interface
- 4. Dialing port



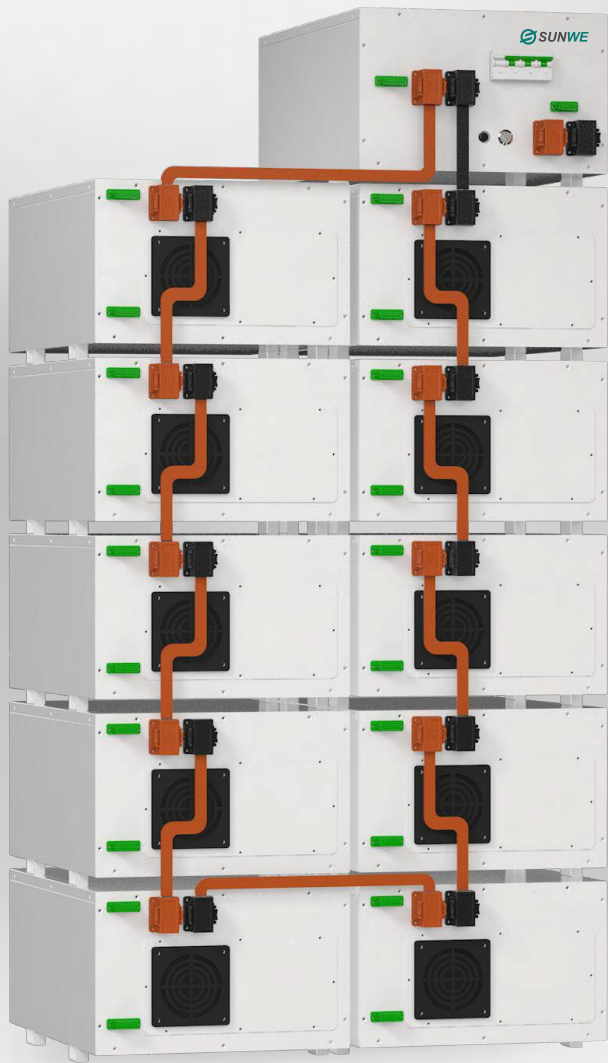
163mm 370mm 610mm

Model	ELESHELL5K	
Battery Capacity(wh)	5120	
Number of cells	1P8S*2	
Cell Type	LFP	
Nominal Voltage (V)	51.2	
Operating Voltage Range (V)	46.4~57.6	
Max.Charge /Discharge Current (A)	75/100	
Continuous Charging/Discharging Current (A)	70/85	
Max.charge/discharge Power (W)	3840/5120	
Dimension (H*W*D mm)	610*370*163	
Weight(KG)	44	
Operating Temperature Range(°C)	0-55	
Max.Number of Parallel	15	
Communication	RS232 / RS485 / CAN	
Cycle Life (80%DOD,25°C)	>6000	
Ingress Protection Rating	IP54	
Installation	Wall or floor mounting	
Relative Humidity	≤95%rh	No condensation
Humidity of storage environment	≤95%rh	No condensation
Max. Operating Altitude (m)	≤3000	
Storage Temperature	≤25°C ,12 months; ≤35°C,6 months; ≤45°C,3 months	

Certification: UN38.3,CE,IEC62619

Model **ELERACK-16K-N**

High-voltage rack-mounted lithium battery for energy storage



Safe and
Reliable



Convenient
and intelligent



Flexible
Configuration



Environmentally
Friendly

Model	ELERACK-16K-N					
Module	16076Wh, 51.2V,115kg , 277.5/413/758mm					
Number of Modules	5	6	7	8	9	10
Battery Capacity(Wh)	80384	96460.8	112537.6	128614.4	144691.2	160768
Nominal Voltage (V)	256	307.2	358.4	409.6	460.8	512
Operating Voltage Range (V)	232-288	278.4-345.6	324.8-403.2	371.2-460.8	417.6-518.4	464-576
	832.5/841	1110/841	1110/841	1387.5/841/	1387.5/841	1665/841
	/758	/758	/758	758	/758	/758
Weight (KG)	594	709	824	939	1054	1169
Cell Type	LFP					
Max.Charge /Discharge Current (A)	150/200					
Continuous Charging/Discharging Current (A)	140/180					
Operating Temperature Range (℃)	0-55					
Temperature Control	natural cooling					
Communication Port	CAN					
Ingress Protection Rating	IP20					
Installation	Stacked floor-mounted indoor installation					
Relative Humidity	≤95%rh No condensation					
Humidity of storage environment	≤95%rh No condensation					
Max. Operating Altitude	≤3000m					
Storage Temperature	≤25℃,12 months;≤35℃,6 months,≤45℃,3 months					
Certification	UN					

Model **PC-D7RH-120/192/241**

High-voltage (dual-row) industrial and commercial energy storage cabinet



It can be installed outdoors and comes with a temperature control system



flexible and optional



Easy to install, plug and play

Model	PC-D7RH-120	PC-D7RH-192	PC-D7RH-241
Cabinet capacity(Wh)	122880	192921	241152
Number of cells	1P16S*12	1P16S*12	1P20S*12
Cell Type	LFP	LFP	LFP
Nominal Voltage (V)	614.4	614.4	768
Operating Voltage Range (V)	556.8~691.2	556.8~691.2	696~864
Max.Charge /Discharge Current (A)	105/120	150/200	150/200
Continuous Charging/Discharging Current (A)	100/110	140/180	140/180
Max.Power (W)	73728	122880	153600
Max. charging power (W)	64512	92160	115200
Dimension (H*W*D mm)	2257*1100*1210	2257*1100*1210	2257*1100*1355
Weight (KG)	About 14550	About 1805	About 2210
Operating Temperature Range (°C)	-10~55		
Temperature.Control	Automatic heating and cooling adjustment		
Cooling capacity/Heating capacity(W)	3200/2000		
Cooling/heating input power(W)	1114/2000		
Fire extinguishing device	PERFLUORO		
Cabinet color	RAL 7035		
Communication	RS485/CAN/RS232		
Ingress Protection Rating	IP54		
Relative Humidity	≤95%rh No condensation		
Humidity of storage environment	≤95%rh No condensation		
Max. Operating Altitude (m)	≤3000m		
Storage Temperature	≤25℃ , 12 months; ≤35℃ , 6 months; ≤45℃ , 3 months		

Model **PC-S10RH-45/PC-S7RH-60/96**

High-voltage (single-row) industrial and commercial energy storage cabinet



It can be installed outdoors and comes with a temperature control system



flexible and optional



Easy to install, plug and play

Model	PC-S10RH-45	PC-S7RH-60	PC-S7RH-96
Cabinet capacity(Wh)	46080	61440	96000
Number of cells	1P16S*9	1P16S*6	1P16S*6
Cell Type	LFP	LFP	LFP
Nominal Voltage (V)	460.8	307.2	307.2
Operating Voltage Range (V)	417.6~518.4	278.4~345.6	278.4~345.6
Max.Charge /Discharge Current (A)	75/100	105/120	150/200
Continuous Charging/Discharging Current (A)	70/85	100/110	140/180
Max.Power (W)	46080	36864	61440
Max. charging power (W)	34560	32256	46080
Dimension (H*W*D mm)	2185*660*1150	2185*660*1150	2185*660*1150
Weight (KG)	About 690	About 800	About 1010
Operating Temperature Range (°C)	-10~55		
Temperature.Control	Automatic heating and cooling adjustment		
Cooling capacity/Heating capacity(W)	1500/1000		
Cooling/heating input power(W)	600/1000		
Fire extinguishing device	PERFLUORO		
Cabinet color	RAL 7035		
Communication	RS485/CAN/RS232		
Ingress Protection Rating	IP54		
Relative Humidity	≤95%rh No condensation		
Humidity of storage environment	≤95%rh No condensation		
Max. Operating Altitude (m)	≤3000m		
Storage Temperature	≤25℃ , 12 months; ≤35℃ , 6 months; ≤45℃ , 3 months		



EXAMPLE



GLOBAL SERVICES

