

# 2

# HV PRODUCTS



## Xtreme HV 1.0

- One-key power on
- Provided 2-5 module stacking solutions
- Simple structure and quick installation, shorten your installation time
- High safety, long battery life (up to 8000 cycles)
- Intelligent EMS, showing real-time running states and helping fault pre-warning

## Xtreme HV 2.0

- Stacked assembly, simple installation, and customized design to meet the requirements of various scenarios.
- Built-in battery optimizer
- Dynamic current equalizing technique
- Utilize the most advanced dynamic current equalizing technique to ensure the module's high operation reliability and security.



# Xtreme HV 1.0



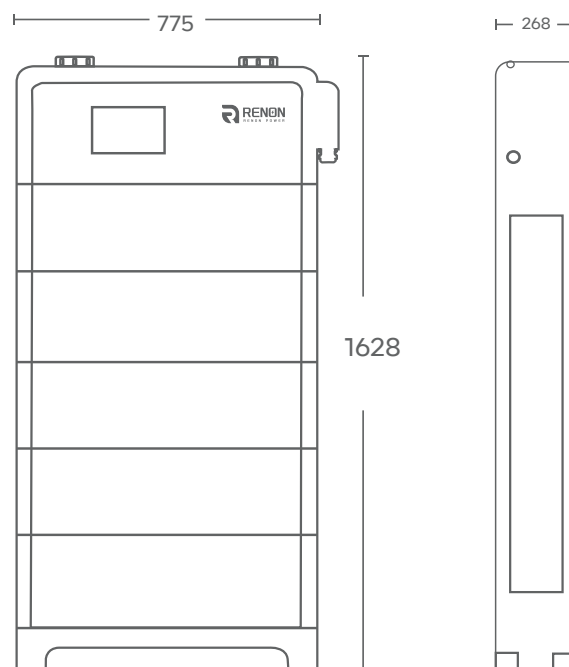
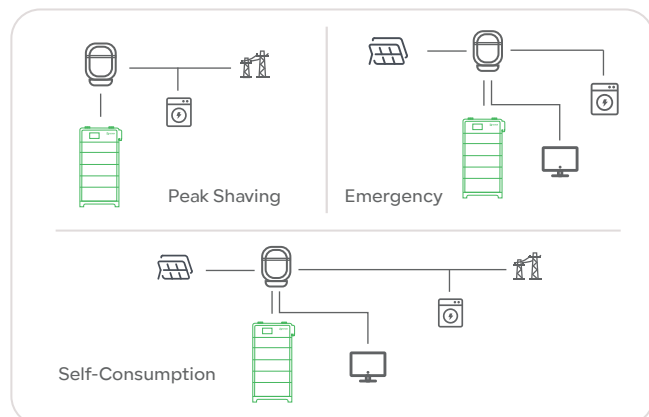
BESS Specifications	2 Modules	3 Modules	4 Modules	5 Modules
Battery Combination	1P32S			
Cell Capacity (Ah)	50			
Nominal Energy (kWh)	10.24	15.36	20.48	25.6
Nominal Power (kW)	9.83	14.75	19.66	24.58
Nominal Voltage (V)	204.8	307.2	409.6	512
Max. Operating Current (A)	≤48			
Max. Current (A)@2S	60			
Operating Voltage Range (V)	172.8 ~ 233.6	259.2 ~ 350.4	345.6 ~ 467.2	432 ~ 584
Cycle Life	8000 Cycles			

General Parameters				
Dimensions (W*D*H)	775*270*854 mm 30.5*10.6*33.6 in	775*270*1112 mm 30.5*10.6*43.8 in	775*270*1370 mm 30.5*10.6*53.9 in	775*270*1628 mm 30.5*10.6*64.1 in
Total Weight (kg)	152	212	272	332
Enclosure	IP65			
Operating Temperature	-20°C to 50°C (-4°F to 122°F)			
Recommended Temperature	0°C to 30°C (32°F to 86°F)			
Operating Humidity (RH)	Up to 100%, non-condensing			
Storage Conditions	-20°C to 55°C/-4°F to 131°F(0°C to 35°C/32°F to 95°F Recommended) Up to 90%RH, non-condensing Initial SoC: 50%			
Max. Elevation	2000m (6561ft)			
Installation Scene	Indoor and Outdoor			

System Characteristic	
Certifications	IEC62619, MSDS, UN38.3 UL1973, UL9540
Communication Interface	CAN, WiFi, RS485
Warranty <sup>[1]</sup>	10 Years

[1] Please refer to the warranty letter for details

## System Layout



# Xtreme HV 2.0



BESS Specification	2 Modules	3 Modules	4 Modules	5 Modules
Battery module Combination	1P16S			
Battery Moudular Capacity(Ah)	100			
Nominal Energy (kWh)	10.24	15.36	20.48	25.6
Default Voltage (V)	400			
Settable Voltage Range (V)	350~450			
Nominal Current (A)	25	37.5	50	50
Max. Current (A)@10S	30	45	60	60
Cycle Life	8000 Cycles			

General Parameters				
Dimensions (W*D*H)	680*320*796 mm 26.8*12.6*31.4 in	680*320*1023.5 mm 26.8*12.6*40.3 in	680*320*1251 mm 26.8*12.6*49.3 in	680*320*1478.5 mm 26.8*12.6*58.3 in
Total Weight (kg)	153.5	213.5	273.5	333.5
Enclosure	IP65 / NEMA 3R			
Operating Temperature	-20°C to 50°C (-4°F to 122°F)			
Recommended Temperature	0°C to 30°C (32°F to 86°F)			
Storage Conditions	-20°C to 55°C/-4°F to 131°F (0°C to 35°C/32°F to 95°F Recommended) Up to 90%RH, non-condensing Initial SoC: 50%			
Operating Humidity (RH)	Up to 95%, non-condensing			
Maximum Elevation	2000m (6561ft)			
Environment	Indoor and outdoor			

System Characteristic	
BESS Certifications	UL1973, UN 38.3, IEC62619 <sup>[1]</sup>
Communication Interface	CAN, Wi-Fi, RS485
Warranty <sup>[2]</sup>	10 Years

[1] Pending Certification  
[2] Please refer to the warranty letter for details

## System Layout

