

HV INTELLIGENT HOUSEHOLD ENERGY STORAGE SYSTEM

RenonXtreme

- 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



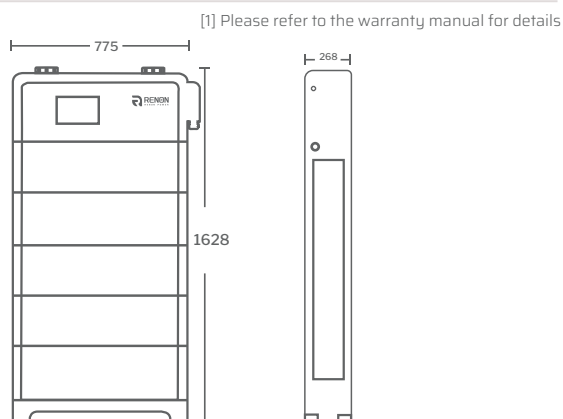
Renon Xtreme HV Series is a household battery storage system that is possible to storage energy from photovoltaic, generator and grid after connecting to the inverter. Its stacked installation allows for rapid build to any home, and improved surge power capacity brings whole home backup in a compact system. The intelligent EMS platform enables users to customize system behavior and monitor the system operation.

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	100			
Operating Voltage Range (V)	172.8 ~ 233.6	259.2 ~ 350.4	345.6 ~ 467.2	432 ~ 584
Cycle Life	8000 Cycles			

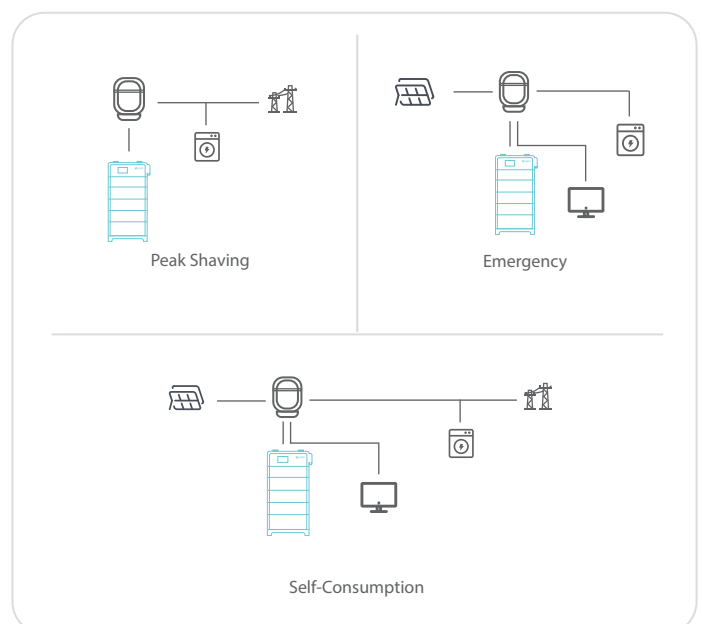
General Parameters				
Dimensions (W*D*H)	775*268*854 mm 30.5*10.6*33.6 in	775*268*1112 mm 30.5*10.6*43.8 in	775*268*1370 mm 30.5*10.6*53.9 in	775*268*1628 mm 30.5*10.6*64.1 in
Total Weight (kg)	150	200	250	300
Enclosure	IP65			
Operating Temperature	-20°C to 50°C (-4°F to 122°F)			
Recommended Temperature	0°C to 30°C (32°F to 86°F)			
Operating Humidity (RH)	Up to 100%, non-condensing			
Recommended Storage Conditions	0°C to 35°C (32°F to 95°F) Up to 95% RH, non-condensing State of Energy (SoE): 50% initial			
Max. Elevation	3000m (9843 ft)			
Installation Scene	Indoor and Outdoor			
Noise Level @1m	< 40 dB(A)			

System Characteristic

Certifications	IEC62619, MSDS, UN38.3, UL1973, UL9540
Communication Interface	CAN, WiFi
Warranty ^[1]	10 Years



System Layout



LV INTELLIGENT HOUSEHOLD ENERGY STORAGE SYSTEM

RenonXtreme

- One-key power on
- Wireless assembly, reassures wiring concerns, streamlines installation process
- Supports 2-6 module stacking solutions
- High safety, long battery life (up to 8000 cycles)
- Wi-Fi connectivity facilitates over-the-air updates



Renon Xtreme LV Series is a household battery storage system that is possible to storage energy from photovoltaic, generator and grid after connecting to the inverter. Its stacked installation allows for rapid build to any home, and improved surge power capacity brings whole home backup in a compact system. The intelligent EMS platform enables users to customize system behavior and monitor the system operation.

LV BESS Specification	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Nominal Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Max. Operation Current (A)	190	285	300	300	300
Peak for 10s (A)	196	294	392	490	500
Peak for 2s (A)	240	360	480	500	500
Max. Charging Voltage (Vdc)	58.4				
Discharge Cut-off (Vdc)	43.2				
Nominal Voltage (Vdc)	51.2				
Recommend Charging Voltage (Vdc)	56.8				
Dimension (W*D*H)	635*268*795mm 25*10.6*31.3in	635*268*1023mm 25*10.6*40.3in	635*268*1250mm 25*10.6*49.2in	635*268*1478mm 25*10.6*58.2in	635*268*1705mm 15*10.6*67.1in
Net Weight (Approximate)	141kg 311lb	194kg 428lb	247kg 545lb	300kg 661lb	353kg 778lb

General Parameters

Scalability	Max. 30 systems in parallel
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 Temperature	Discharge: -20°C to 50°C / -4°F to 122°F Charge: 0°C to 50°C / 32°F to 122°F
Cooling	Natural Cooling
Max. Altitude	3000m (9843ft)
Cycle Life	8000 Cycles
Communication	RS485/CAN/WiFi

System Characteristic

Battery Compliances	IEC 62619, UN 38.3, UL1973, CE-RED
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Enclosure	IP65
Warranty ^[2]	10 Years

[1] Pending Certification

[2] Please refer to the warranty manual for details

System Layout

