

LV INTELLIGENT HOUSEHOLD ENERGY STORAGE SYSTEM

RenonXtreme

- One-key power on
- Stacked assembly, simple installation, and modular design gives flexibility
- High safety, long battery life (up to 8000 cycles)
- Wi-Fi connectivity facilitate over-the-air updates



Renon Xtreme Series is a household battery storage system that is possible to store 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 (mm) (W*D*H)	635*268*795	635*268*1023	635*268*1250	635*268*1478	635*268*1705
Net Weight (kg) (Approximate)	141	194	247	300	353

General Parameters

Scalability	Max. 30 systems in parallel
Storage Conditions	-20°C to 55°C/-4°F to 131°F (0°C ~ 35°C/32°F ~ 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)
Service Life	8000 times
Communication	RS485/CAN/WiFi

System Characteristic

Battery Compliances	IEC 62619, UN 38.3, UL1973 ^[1] , CE-RED
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Enclosure	IP65
Warranty	5 Years + 5 Years ^[2]

[1] Pending Certification

[2] Please refer to the warranty manual for details

System Layout

