

Xtreme LV

Modular LV Battery System

Scalability: The system can be expanded with up to 15 systems in stacks, offering flexibility and future-proofing for growing energy needs.

High Efficiency: Designed for peak shaving and self-consumption, it helps reduce energy bills by optimizing the use of solar power and minimizing reliance on the grid.

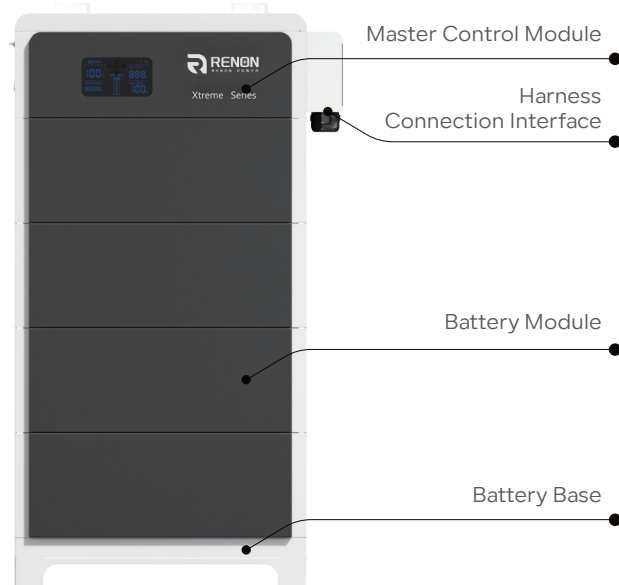
Strong Compatibility: The system is designed to work seamlessly with various inverters and energy management systems, providing flexibility in integration with existing setups.

Comprehensive Warranty: Backed by a 10-year warranty, the Xtreme LV system assures long-term peace of mind and protection for the investment.

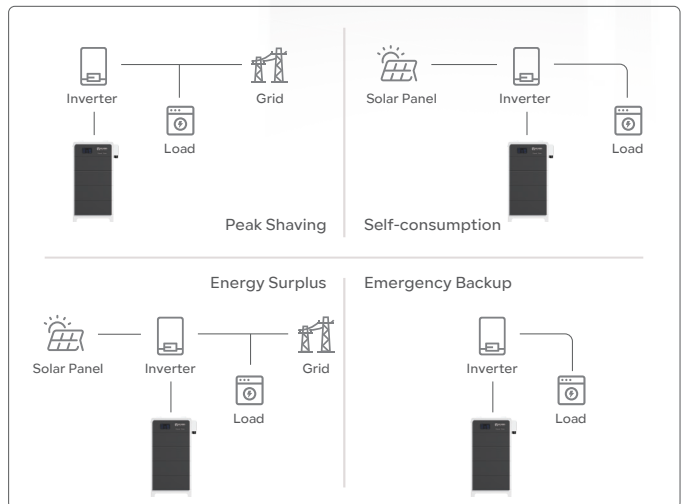
WiFi Connectivity and App Control: Enables remote monitoring and management of the energy storage system through a dedicated mobile application, enhancing user convenience and control.



System Demonstration



System Layout



Application Scenario



Battery Energy Storage							
Product Model	R-XL010021	R-XL015031	R-XL020041	R-XL025051	R-XL030061	R-XL035071	R-XL040081
Product Module QTY	2	3	4	5	6	7	8
Nominal Energy (kWh)	10.24	15.36	20.48	25.6	30.72	35.84	40.96
Output Power (kW)	9.7	14.6	15.4	15.4	15.4	15.4	15.4
Max. Operation Current (A)	190	285	300	300	300	300	300
Peak for 10s (A)	196	297	392	490	500	500	500
Peak for 2s (A)	240	360	480	500	500	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						
Battery Chemistry	LiFePO4						
Dimension - W*D (mm/in)	635*268/25*10.6						
Dimension - H (mm/in)	795/31.3	1023/40.3	1250/49.2	1478/58.2	1706/67.1	1934/76	2162/85
Net Weight (kg/lb)	~141/~311	~194/~428	~247/~545	~300/~661	~353/~778	~406/~895	~459/~1012

General Parameters	
Scalability	Max. 15 systems in parallel
Storage Conditions	-4°F ~ 131°F (32°F ~ 95°F Recommended) Up to 90%RH, non-condensing Initial SoC: 50%
Operating Temperature	Charge: 32°F ~ 122°F Discharge: -4°F ~ 122°F
Cooling	Natural Cooling
Max. Altitude	4000m / 13123ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, WiFi

System Characteristic	
Master Control	R-MC300-XTL01
Battery Model	R-EM51100-XTL01
Battery Compliances	UL1973, UL9540, UL9540A UKCA, IEC 62619, IEC62040 CEI 0-21, UN 38.3, EN-61000, EN-62311
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
IP Rating [1]	IP65
Warranty [2]	10 Years

[1] IP65 rating applies only when the Xtreme LV system is fully assembled

[2] Please refer to the warranty letter for details

Packaging & Shipping Details

