

Xtreme LV

Modular LV Battery System

Scalability: The system can be expanded with up to 15 systems in parallel, 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.

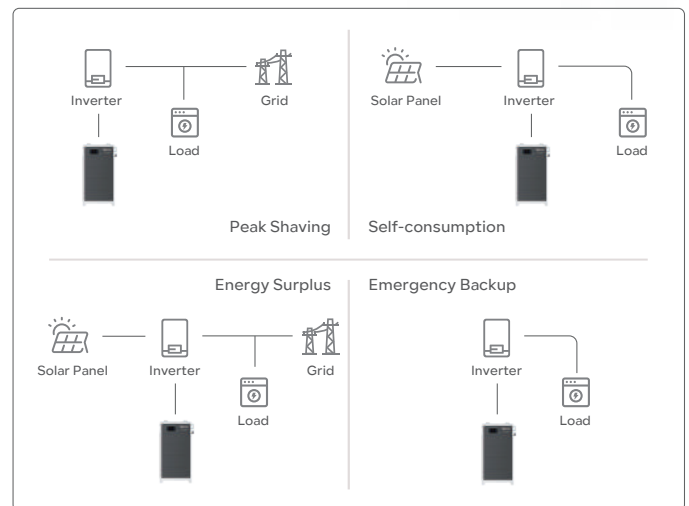
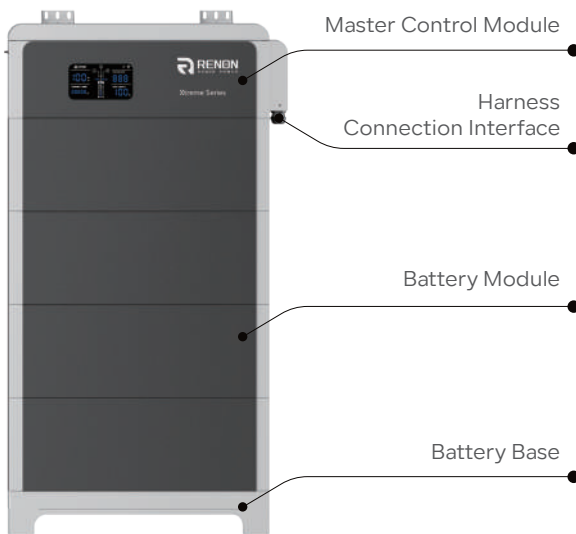
Comprehensive Warranty: Backed by a 10-year warranty, the Xtreme LV system assures long-term peace of mind and protection for the investment.

Wi-Fi 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 Layout

System Demonstration



Application Scenario



Battery Energy Storage(4.8/5.12V)	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Nominal Energy (kWh)	9.6/10.24	14.4/15.36	19.2/20.48	24/25.6	28.8/30.72
Power(kW)	9.1/9.7	13.7/14.6	14.4/15.4	14.4/15.4	14.4/15.4
Max. Operation Current (A)	190	285	300	300	300
Peak for 10s (A)	196	297	392	490	500
Peak for 2s (A)	240	360	480	500	500
Max. Charging Voltage (Vdc)	54.75/58.4				
Discharge Cut-off (Vdc)	40.5/43.2				
Nominal Voltage (Vdc)	48/51.2				
Recommend Charging Voltage(Vdc)	53.25/56.8				
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 25*10.6*67.1in
Net Weight (Approximate)	139/141kg 306/311lb	192/194kg 423/428lb	245/247kg 540/545lb	298/300kg 656/661lb	351/353kg 773/778lb

General Parameters		System Characteristic	
Scalability	Max. 15 systems in parallel	Master Control Model	R-MC300-XTL01
Storage Conditions	-20°C ~ 55°C(0°C ~ 35°C Recommended) Up to 90%RH, non-condensing Initial SoC: 50%	Battery Model	R-EM51100-XTL01
Operating Temperature	Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C	Battery Compliances	UL1973,UL9540, UL9540A UKCA, IEC 62619, IEC62040 CEI 0-21, UN 38.3, EN-61000, EN-62311
Cooling	Natural Cooling	Installation Method	Stack Mounting
Max. Altitude	2000m / 6561ft	Installation Scene	Indoor or Outdoor
Cycle Life	8000 Cycles	IP Rating	IP65
Communication	RS485, CAN, WiFi	Warranty [1]	10 Years

[1] Please refer to the warranty letter for details

Packaging & Shipping Details

