

Xtreme LV

Modular LV Battery System



Scalability:

The system supports up to 30 units in parallel, ensuring flexibility for growing energy needs.

High Efficiency:

Optimized for peak shaving and self-consumption, it cuts energy costs by maximizing solar use.

Strong Compatibility:

The system seamlessly integrates with inverters and energy management systems for flexible setup.

Comprehensive Warranty:

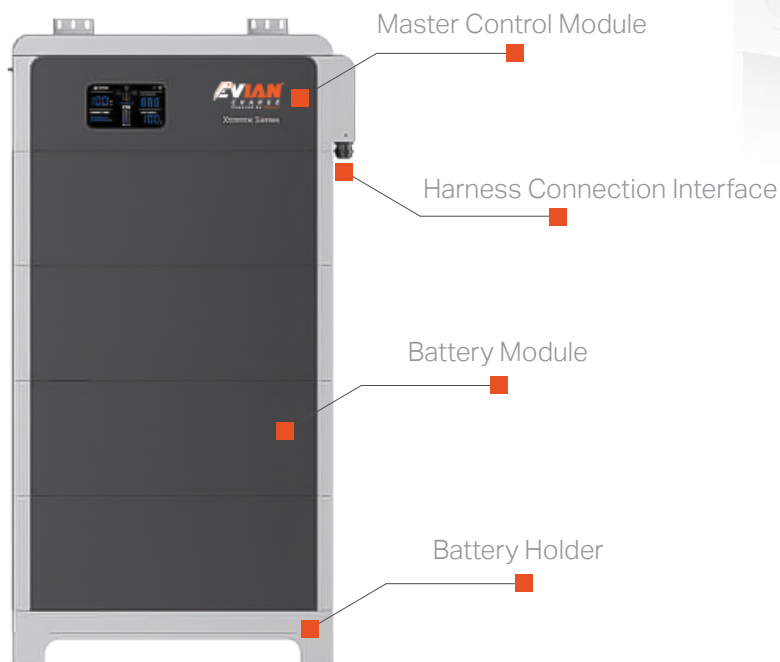
Backed by a 10-year warranty, the Xtreme LV ensures lasting peace of mind.

Wi-Fi Connectivity and APP Control:

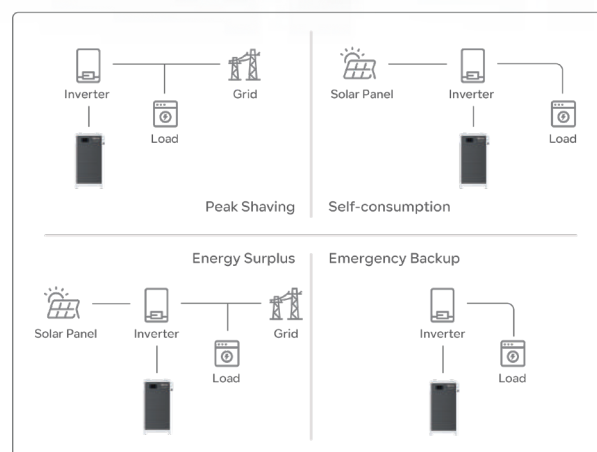
Allows remote system management via a mobile app for convenience and control.



Product Details



System Layout



Dependable Safety

Rigorous safety protocols for enhanced protection.



High Power Output

Delivers superior output even under limited input conditions.



Flexible Extension

Supports energy storage module expansion for increased capacity.



Smart Management

Integrated system with real-time monitoring and automatic scheduling.



Robust Design

Engineered for high stability, minimal noise, and easy operation.



OCPP

OCPP 1.6J/2.0 help your connect EV charger to the cloud

Xtreme LV

Modular LV Battery System



Battery Energy Storage (4.8/5.12V)	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Product Model (4.8V)	R-XL009021	R-XL014031	R-XL019021	R-XL024021	R-XL028021
Product Model (5.12V)	R-XL010021	R-XL015031	R-XL020041	R-XL025051	R-XL030061
Nominal Energy (kWh)	9.6/10.24	14.4/15.36	19.2/20.48	24/25.6	28.8/30.72
Output Power (kW)	9.1/9.7	13.7/14.6	14.4/15.4	300	14.4/15.4
Max. Operation Current (A)	190	285	300	490	300
Peak for 10s (A)	196	297	392	500	500
Peak for 2s (A)	240	360	480		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	35*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

Scalability	Max. 15 systems in parallel
Storage Conditions	-20°C ~ 55°C(0°C ~ 35°C Recommended) Up to 90%RH, non-condensing Initial SoC: 50%
Operating Temperature	Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C
Cooling	Natural Cooling
Max. Altitude	2000m / 6561ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, WiFi

System Characteristic

Master Control Model	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	IP65
Warranty [1]	10 Years

