

# Genesis 2.0

## 48VDC Stackable 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.

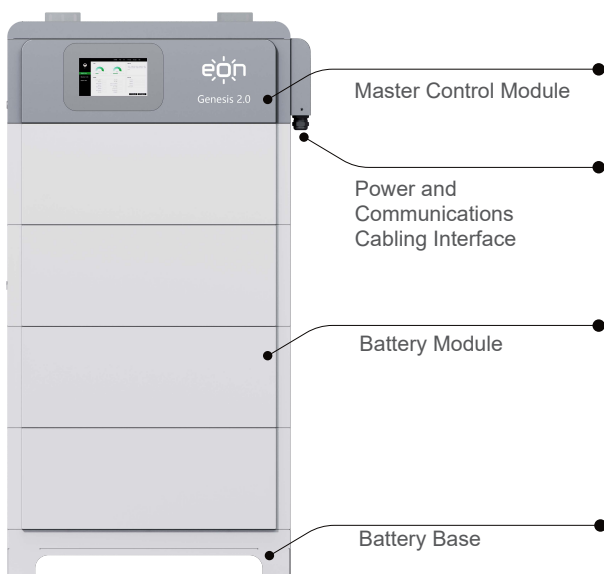
**Strong Compatibility:** The system is designed to work seamlessly with various inverters and energy management systems, providing flexibility in integration with existing setups.

**Comprehensive Warranty:** Backed by a 10-year warranty, the Genesis 2.0 LV system assures long-term peace of mind and protection for the investment.

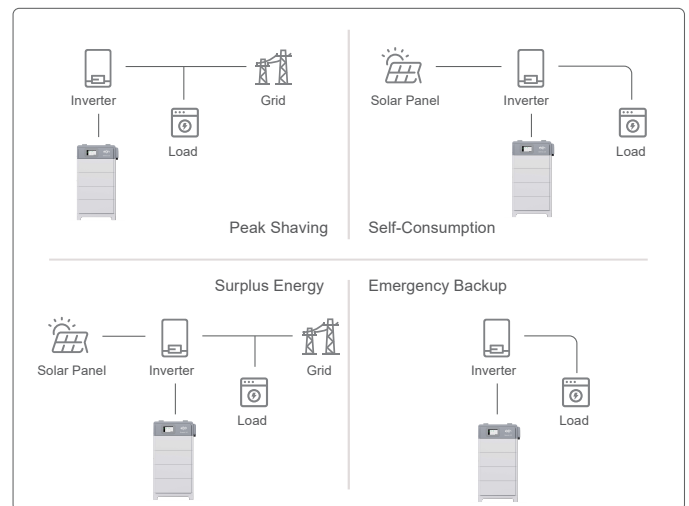
**Wi-Fi Connectivity and APP Control:** Enables remote monitoring and management of the energy storage system through a dedicated mobile application, enhancing user convenience and control.



### Product Details



### System Layout



### Application Scenarios



Battery Energy Storage(4.8/5.12V)	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Nominal Energy (kWh)	9.6	14.4	19.2	24	28.8
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) Discharge			54.75		
Cut-off (Vdc)			40.5		
Nominal Voltage (Vdc) Recommend			48		
Charging Voltage(Vdc) Dimension			53.25		
(W*D*H)	635*268*795mm 25x10.6x31.3in	635*268*1023mm 25x10.6x40.3in	635*268*1250mm 25x10.6x49.2in	635*268*1478mm 25x10.6x58.2in	635*268*1705mm 25x10.6x67.1in
Net Weight (Approximate)	141kg/311lbs	194kg/428lbs	247kg/545lbs	300kg/661lbs	353kg/778lbs

General Parameters		System Characteristic	
Scalability	Max. 15 systems in parallel	Battery Compliances	UL1973,UL9540, UL9540A UKCA, IEC 62619, IEC62040 CEI 0-21, UN 38.3, EN-61000, EN-62311
Storage Conditions	-20°C ~ 55°C(0°C ~ 35°C Recommended) Up to 90%RH, non-condensing Initial SoC: 50%	Installation Method	Natural Cooling
Operating Temperature	Charge: 0°C to 50°C / 32 to 122°F Discharge: -20°C ~ 50°C / -4 to 122°F	Installation Scene	Indoor or Outdoor
Cooling	Natural Cooling	IP Rating	IP65
Max. Altitude	2000m / 6561ft	Warranty [1]	10 Years
Cycle Life	8000 Cycles		
Communication	RS485, CAN, WiFi		

[1] Please refer to the warranty letter for details

## ■ Packaging & Shipping Details

