

Xcellent Plus - H

Wall-Mounted LV Battery System

Dependable Safety: Designed with high-level safety features, including reliable lithium iron phosphate (LiFePO₄) technology, ensuring safe and stable operation.

Sleek Aesthetics: A modern, sleek design that integrates seamlessly into residential environments, enhancing the aesthetic appeal of installation areas.

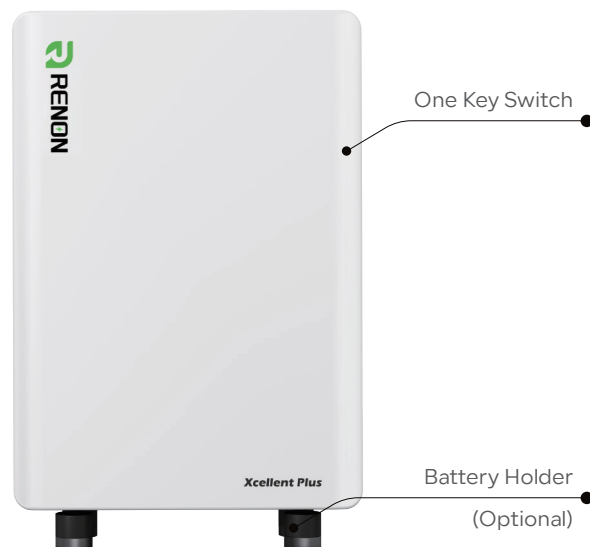
Whisper-Quiet Operation: Engineered for silent operation, making it ideal for home settings where noise levels need to be minimal.

Long Cycle Life: Offers an impressive cycle life of up to 8000 cycles, providing long-term reliability and cost-effectiveness.

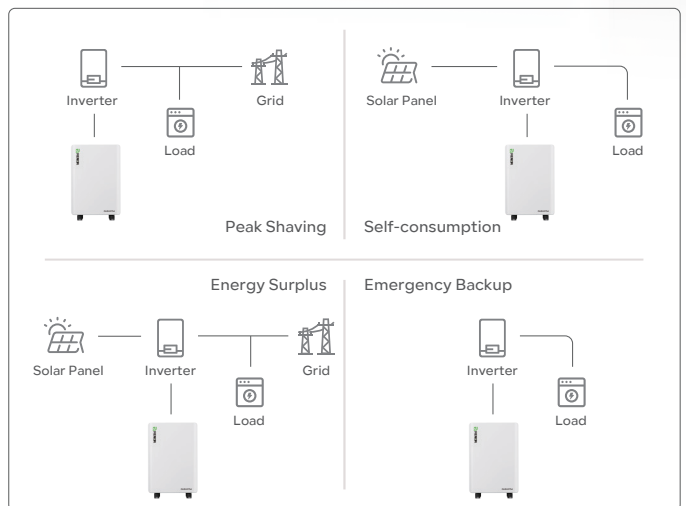
Efficient Heating Design: Equipped with an integrated heating film, ensuring optimal temperature control and performance even in colder environments, enhancing overall efficiency and safety.



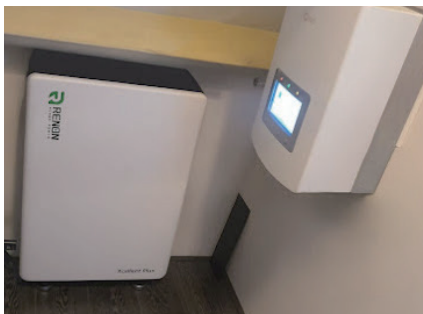
Product Details



System Layout



Application Scenario



Battery Energy Storage	
Battery Chemistry	LiFePO4
Cell Capacity (Ah)	314
Nominal Energy (kWh)	16
Output Power (kW)	10.2
Default Voltage (V)	51.2
Voltage Range (V)	43.2 ~ 59.2
Max. Operation Current (A)	200
Primary Overcurrent Protection (A)	210@10S
Secondary Overcurrent Protection (A)	250@500mS
Max. Charging Voltage (V)	58.4
Discharge Cut-off (V)	43.2
Recommended Charging Voltage (V)	56.8
Dimension (W*D*H)	560*200*800mm 22*7.8*31.5in
Net Weight (Approximate)	126kg 278lb

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	4000m / 13123ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, RS232

- The conditions for activating the heating film are as follows**
1. The battery cell temperature is below a specified threshold (e.g., 5°C).
 2. Charging current is present, and the charging power exceeds the heating film power (130W).
 3. The charging current should be greater than 3A to ensure effective heating.

System Characteristic	
Battery Model	R-XC016161-H
Battery Compliances	IEC 62619, UN 38.3, CEI 0-21, EN-61000
Installation Method	Wall-Mounting or Floor Mounting
Installation Scene	Indoor or Outdoor
IP Rating	IP65
Warranty [1]	10 Years

[1] Please refer to the warranty letter for details

■ Packaging & Shipping Details

