LV Wall-Mounted
HOUSEHOLD
ENERGY STORAGE SYSTEM

RenonXcellent

- Safe and stable LFP, great-performance processors
- Flexible, lightweight, to meet the power need of the individual building unit
- Minimalist design, easy installation, less noise, makes it ideal for residential fitment
- Strongly compatible, perfect-solving compatibility puzzles
- Resilient store and discharge, capable of being emergency backup power

Renon Xcellent is a wall-mounted residential energy storage system. Its streamlined design makes it suitable for a variety of decor styles and is also easy to install and maintain.

The nominal energy is 5.12 kWh, which is appropriate for the basic needs of the vast majority.

As a trusted partner, we have strived to provide more robust residential energy solutions and ensure that Xcellent, as part of HESS services, is compatible with mainstream inverters.

The product adopts self-created intelligent energy management system which improves performance and extends service life.

RENON
RENON POWER

Xcellent Series

Battery

Battery Chemistry	Lithium Iron Phosphate
Cell Capacity (Ah)	100
Nominal Energy (kWh)	5.12
Default Voltage (V)	51.2
Voltage Range (V)	43.2~59.2
Max. Operation Current (A)	95
Primary Overcurrent Protection (A)	98@10S
Secondary Overcurrent Protection (A)	120@2S
Max. Charging Voltage (V)	58.4
Discharge Cut-off (V)	43.2
Recommended Charging Voltage (V)	56.8

General Parameters

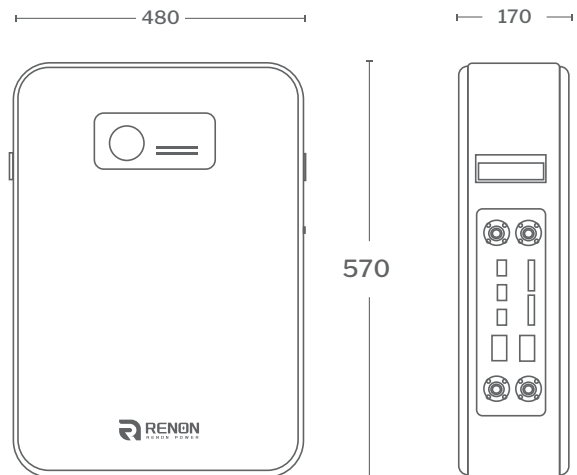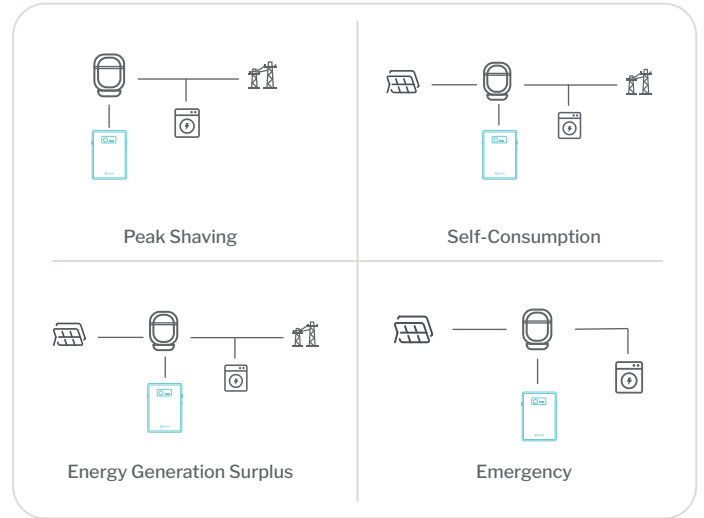|	
Parallel Capacity	Maximum 32 units
Dimension (mm) (W*D*H)	480*170*570
Net Weight (kg) (Approximate)	54
Storage Conditions	−20°C to 55°C/−4°F to 131°F (0°C ~ 35°C/32°F~ 95°F Recommended) Up to 90%RH, non-condensing Initial SoC: 50%
Operating Temperature	Discharge: -20°C to 50°C/-4°F to 122°F Charge: 0°C to 50°C/32°F to 122°F
Cooling	Natural Cooling
Max. Altitude	3000m (9843ft)
Service Life	8000 times
Communication	RS485/CAN/WiFi

System Layout

Peak Shaving

Self-Consumption

Energy Generation Surplus

Emergency

480

170

570

System Characteristic

BESS Compliances	IEC 62619, UN 38.3, UL1973[1] , CE-RED
Installation Method	Wall Mounting
Installation Scene	Indoor
Enclosure	IP20
Warranty	5 Years + 5 Years[2]

[1] Pending Certification
[2] Please refer to the warranty manual for details