

# 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.

## 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 (W*D*H)	480*170*570mm(18.9*6.7*22.4in)
Net Weight (Approximate)	54kg(119lb)

Storage Conditions      -20°C to 55°C/-4°F to 131°F  
(0°C to 35°C/32°F to 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

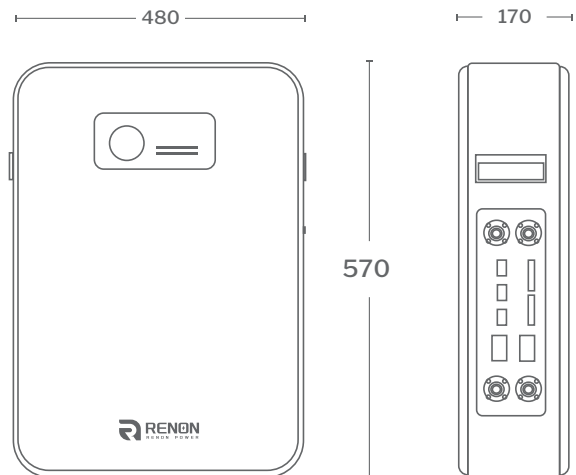
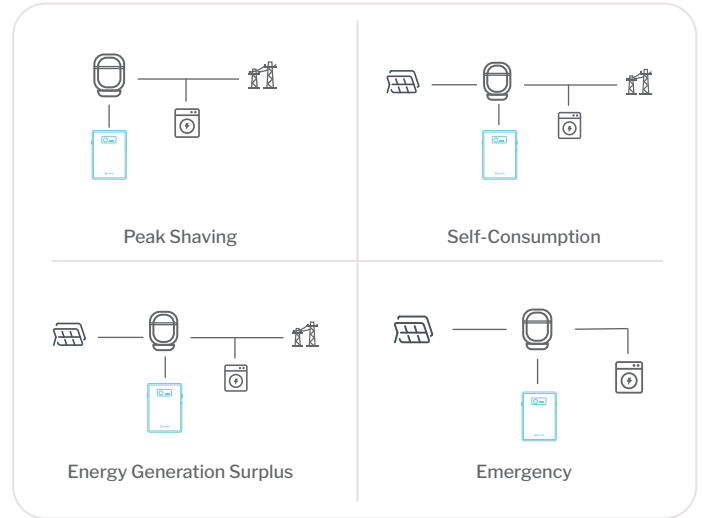
Cooling      Natural Cooling

Max. Altitude      3000m (9843ft)

Service Life      8000 times

Communication      RS485/CAN/WiFi

## System Layout



## System Characteristic

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

[1] Pending Certification

[2] Please refer to the warranty manual for details