

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

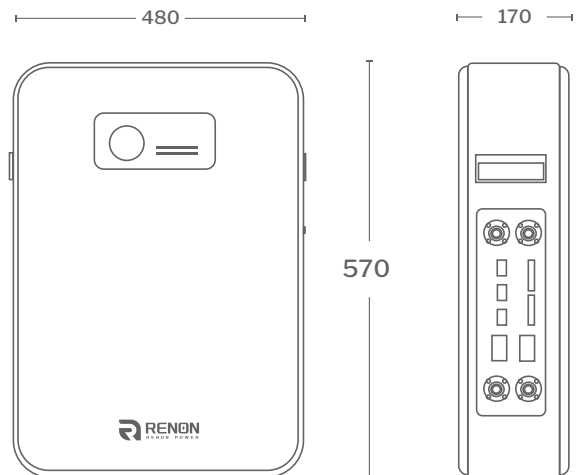
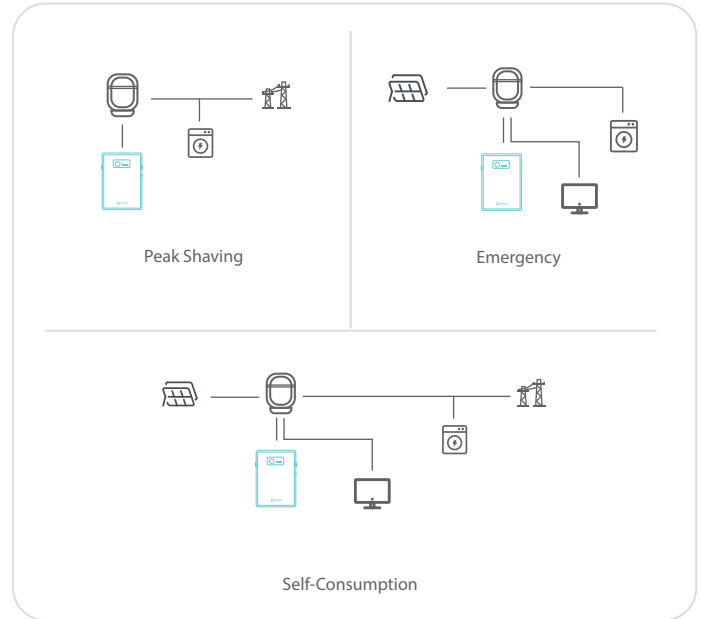
Cooling Natural Cooling

Max. Altitude 3000m (9843ft)

Cycle Life 8000 times

Communication RS485/CAN/WiFi

System Layout



System Characteristic

BESS Compliances	IEC 62619, UN 38.3, UL1973 ^[1] , CE-RED
Installation Method	Wall Mounting
Installation Scene	Indoor
Enclosure	IP20
Warranty ^[2]	10 Years

[1] Pending Certification

[2] Please refer to the warranty manual for details