

LV WALL-MOUNTED HOUSEHOLD  
ENERGY STORAGE SYSTEM

# Xcellent Series

- Safe and stable LFP
- Modular design for greater flexibility
- Resilient store and discharge, capable of being emergency backup power
- High safety, long battery life (up to 8,000 cycles)



Renon Xcellent is a residential energy storage system that can be wall-mounted. Its streamlined design makes it suitable for a variety of decor styles and it is also easy to install and maintain. With a nominal energy capacity of 5.12kWh, it is well-suited to meet the basic energy needs of most households.

As a trusted partner, we are committed to providing robust energy solutions for residential use. We have ensured that Xcellent, as part of the Household Energy Storage System (HESS) services, is compatible with mainstream inverters. The product features an intelligent energy management system that improves performance and extends the service life of the system.

Visit us at [renonpowerafrique.com](https://renonpowerafrique.com)

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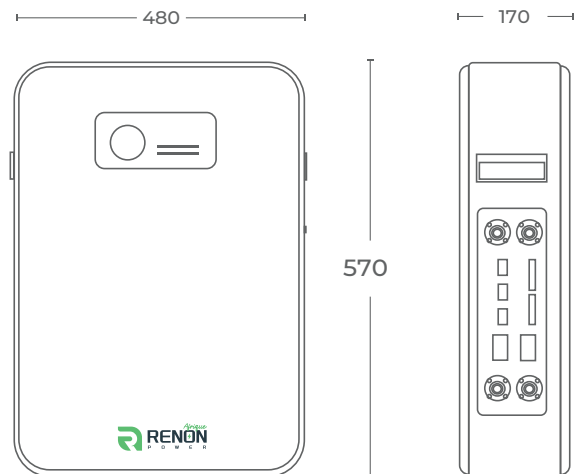
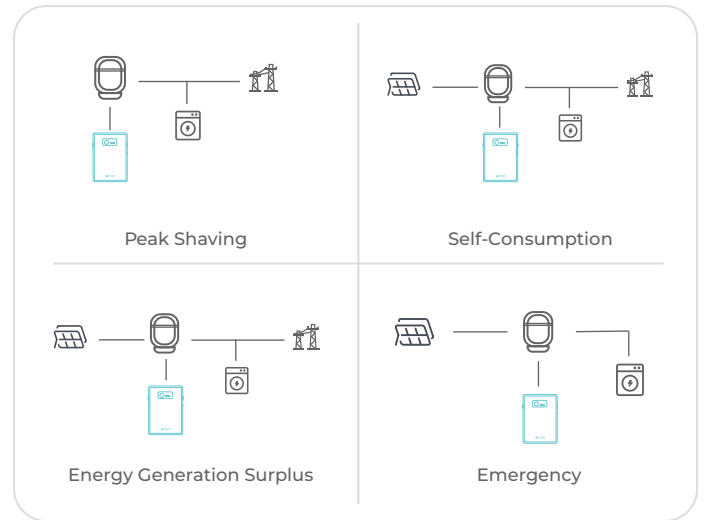
## Battery

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 [1], CE-RED
Installation Method	Wall Mounting
Installation Scene	Indoor
Enclosure	IP20
Warranty	5 Years + 5 Years <sup>[2]</sup>