

Xcellent Series

info@renonpower.com
www.renonpower.com

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%
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Operating Temperature	Discharge: -20°C to 50°C/-4°F to 122°F Charge: 0°C to 50°C/32°F to 122°F
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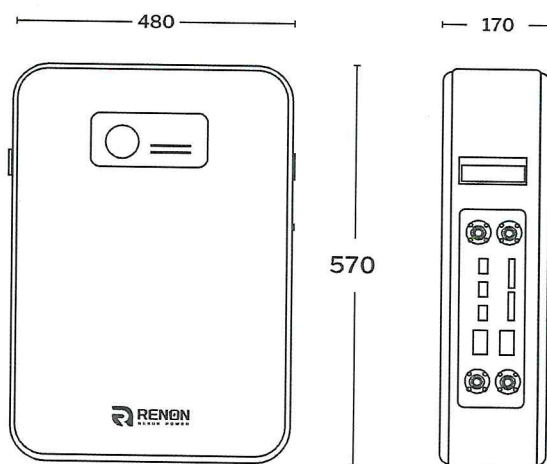
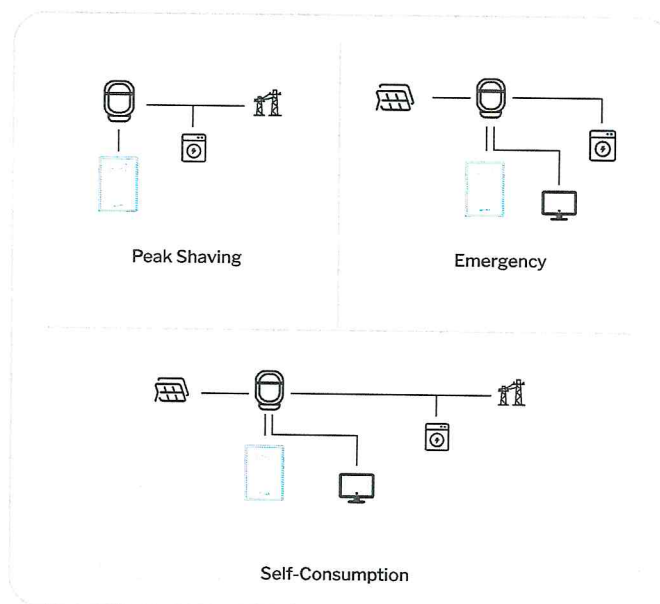
Cooling	Natural Cooling
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Max. Altitude	3000m (9843ft)
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Cycle Life	8000 times
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Communication	RS485/CAN/WiFi
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System 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

2023-1-12

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Specifications are subject to change without notice.

[1] Pending Certification

[2] Please refer to the warranty manual for details