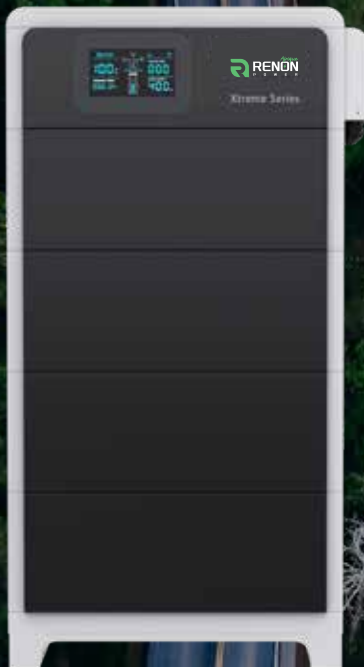


HV INTELLIGENT HOUSEHOLD
ENERGY STORAGE SYSTEM

Xtreme 1.0

- The modular stacking design allows for parallel connection of systems, enabling capacity expansion.
- The off-grid output peak power is suitable for high power load start-up.
- Intelligent battery management system to ensure safe and reliable operation
- With an IP55 protection level and smart temperature control, the system can adapt to harsh environments.
- The application includes self-powered, time-based power control and backup power mode.
- Battery life of up to 8,000 cycles



The Renon Xtreme Series is a household battery storage system that can store energy from various sources such as photovoltaic cells, generators, and the grid when connected to an inverter. Its stacked installation allows for rapid installation in any home, while its improved surge power capacity provides whole-home backup in a compact system.

With the intelligent Energy Management System (EMS) platform, users can customise the system's behaviour and monitor its operation, providing greater control and peace of mind.

Visit us at renonpowerafrica.co.za



Scan to **Locate**



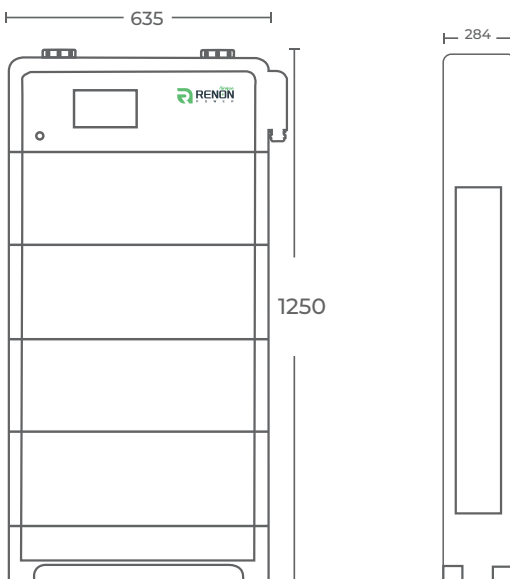
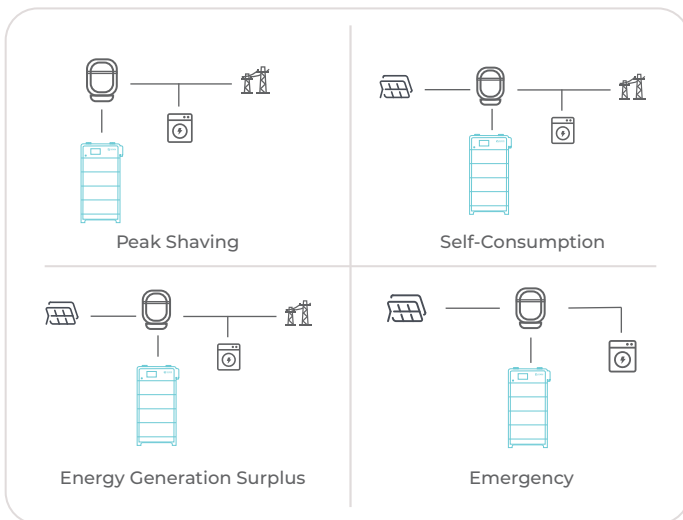
Scan to **Explore**

RENEWABLE. RELIABLE. REMARKABLE.



HV BESS Specification	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Nominal Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Max. Power (kW)	10	15	20	25	25.6
Max. Operation Current (A)	32	48	64	64	64
Rated Voltage (Vdc)	380(Constant)				
Operating Voltage Range (Vdc)	260~400 (Settable)				
Voltage Range of Max. Power (Vdc)	312.5-400	312.5-400	312.5-400	391-400	400
Dimension (W*D*H)	635*268*795mm 25*10.6*31.3in	635*268*1023mm 25*10.6*40.3in	635*268*1250mm 25*10.6*49.2in	635*268*1478mm 25*10.6*58.2im	635*268*1705mm 15*10.6*67.1in
Net Weight (Approximate)	144kg 311lb	201kg 443lb	258kg 569lb	315kg 694lb	372kg 820.12

System Layout



General Parameters

Scalability	Max. 30 systems in parallel
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 Characteristic

Battery Compliances	UN 38.3, IEC 62619 ^[1] , UL1973 ^[1] , CE-RED ^[1]
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Enclosure	IP65
Warranty	5 Years + 5 Years ^[2]

[1] Pending Certification

[2] Please refer to the warranty manual for details