

VANADIS 530

StorEn's Vanadis 530 is a fully-integrated AC battery system for residential or light commercial use. Its rechargeable vanadium flow battery provides energy storage for solar self-consumption, time-based control, and backup.

Vanadis 530 electrical interface provides a simple connection to any home or building. Its revolutionary compact design achieves market-leading energy density and is easy to install, enabling owners to quickly realize the benefits of reliable, clean power.

PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	120/240 V
Feed-In Type	Split Phase
Grid Frequency	60 Hz
Total Energy	35 kWh
Usable Energy	30 kWh
Discharge Capacity	100%
Real Power, max Continuous	5 kW
Real Power, Peak	7 kW
Apparent Power, max continuous	5.8 kVA
Apparent Power, peak (10s, off-grid/backup)	7.2 kVA
Maximum Continuous Current	24 A
Maximum Output Fault Current	30 A
Overcurrent Protection Device	30 A
Load Start Capability	88-106 A
Imbalance for Split-Phase Loads	100%
Power Factor Output Range	+/- 1.0 adjustable
Power Factor Range (full-rated power)	+/- 0.85
Internal Battery DC Voltage	48 V
Maximum Supply Fault Current	10 kA
Round Trip Efficiency	82%
Warranty	10 years

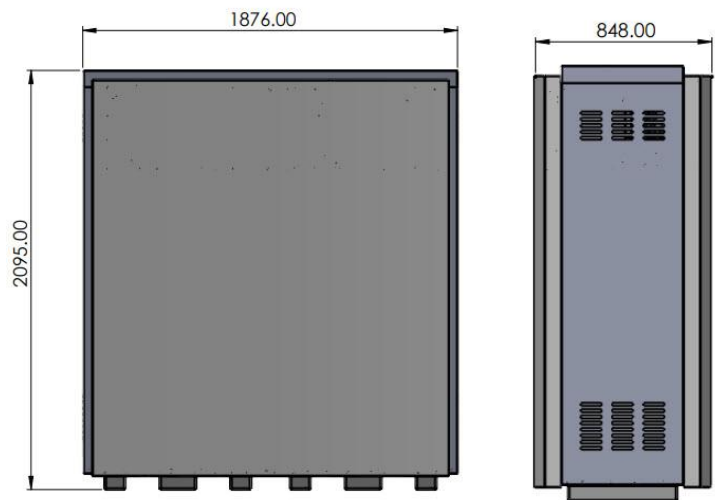
COMPLIANCE INFORMATION

Certifications	UL 1642, UL 1741, UL 1741 SA UL 1973 UL 9540, IEEE 1547-2018, UN 38.3
Grid Connection	Worldwide Compatibility
Emissions	FCC Part 15 Class B, ICES 003
Environmental	RoHS Directive 2011/65/EU
Seismic	AC156, IEEE 693-2005 (high)
Fire Testing	UL 9540A



MECHANICAL SPECIFICATIONS

Dimensions	1900 x 860 x 2100 mm
Weight	2000 kg
Mounting options	Floor



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 C to 50 C
Operating Humidity (RH)	Up to 100%
Storage Conditions	10 C to 30 C Up to 95% RH SoE 25%
Maximum Elevation	2000 m
Environment	Indoor
Wet Location Rating	No
Noise Level @ 1m	<40dBA