



V-WALL

(VV5000)



The **VESS V-Wall** is a lithium iron phosphate battery system designed to deliver stable, reliable energy across a wide range of applications.

Built for flexible growth in capacity and power through parallel connection. With built-in CAN, RS485, and WiFi, it supports most mainstream inverter communication protocols for energy storage systems.



MODERN DESIGN



COMPACT SIZE



MAXIMUM SAFETY



DATA VISUALISATION



INDOOR INSTALLATION



EXCELLENT SCALABILITY



PRECISE CONTROL



CLOUD SERVICE

SYSTEM LAYOUT



PEAK SHAVING



SELF-CONSUMPTION



ENERGY SURPLUS



ENERGY OUTAGE

PRODUCT SPECIFICATIONS

- ✓ Residential Grid-tie Solar with Backup Power
- ✓ Self-Consumption
- ✓ Off-Grid Power Supply
- ✓ Energy Emergency Supply and Outage Protection
- ✓ 10 Year Warranty



V-WALL (VV5000) SPECIFICATIONS

Battery Type	LiFePO4
Rated Energy	5120Wh
Nominal Capacity	100Ah
Rated Voltage	51.2V
Cell Model	3.2 V 100Ah
Combination Mode	16S1P
Discharge Cut-Off Voltage	43.2V
Recommended Charging	56.8V
Maximum Charging Current	95A
Maximum Discharging Current	95A
Communication	CAN, RS485, WiFi
Compatible Inverter Brand	SMA, Growatt, Solax, Solis, DEYE, Sofar, Voltronic, Struder, etc.
Cycle Life	Over 8,000 times @ 25°C
Dimension W*H*D	450*635*180mm
Net Weight	53kg
Cooling	Natural Cooling
Installation	Wall-mounted
Discharge Temperature	-20°C ~ 50°C
Charge Temperature	0°C ~ 50°C
Storage Conditions	-20°C ~ 50°C (0°C ~ 35°C Recommended) Up to 95%RH, non-condensing, Initial SoC: 50%
Maximum Elevation	2,000m (6561ft)