VV16K

16kWh Floor-Standing LiFePO4 Battery ESS



HIGH PERFORMANCE

- >8000 life cycles. [1]
- High capacity 314AH cell.

SAFE AND RELIABLE

- IP65 design, available for indoor / outdoor.
- Intelligent BMS with overcharge / over-discharge protection.

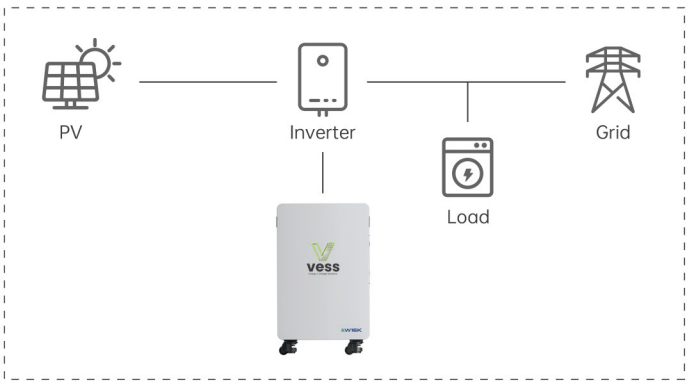
USER FRIENDLY SETUP

- Compatible with various inverters for flexible setups.
- Cloud platform / APP remote monitor.

EASY INSTALLATION

- Floor-standing design optimizes space utilization.
- Built-in casters for easy transport and quick setup.

System Layout



System Demonstration



Powering Your Future

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Product Specifications

System Characteristics

Battery Type	LiFePO4
Rated Energy(kWh)	16
Cell Capacity(Ah)	314
Rated Voltage(V)	51.2
Cell Model	3.2V 314Ah
Combination Mode	16S1P
Discharge Cut-off Voltage(V)	43.2
Recommend Charing(V)	56.8
Max. Charging / Discharging Current(A)	200
Primary Overcurrent Protection(A)	210A@10S
Secondary Overcurrent Protection(A)	250A@500mS
Communication	RS485 / CAN / RS232
Compatible Inverter Brand	SMA, Growatt, Solax, Solis, DEYE, Sofar, Voltronic, Studer, etc
Cycle life	≥8000 times @ 25°C
Dimensions - W*D*H(mm/in)	500*245*740/19.69*9.65*29.13
Net Weight (kg/lb)	~133/~293
Protection Degree	IP65
Cooling	Natural Cooling
Installation	Wall-Mount In
Discharge Temperature(°C)	- 20 ~ 50
Charge Temperature(°C)	0 ~ 50
Storage Conditions	-20 ~ 55°C(0 ~ 35°C Recommended)Up to 95 % RH, non-condensing, Initial So : 50 %
Battery Compliances	IEC 62619, UN 38.3, CEI 0-21, EN-61000, CE-LVD/62477, UL1973 UL9540A
Warranty [2]	10 Years