

Wall-Mount LiFePO4 Battery ESS

W5000

5.12kWh



HIGH PERFORMANCE

- >8000 life cycles.[1]
- 95A maximum charging or discharging current.



SAFE AND RELIABLE

- IP20 protection degree.
- Intelligent BMS with overcharge/over-discharge protection.



USER FRIENDLY SETUP

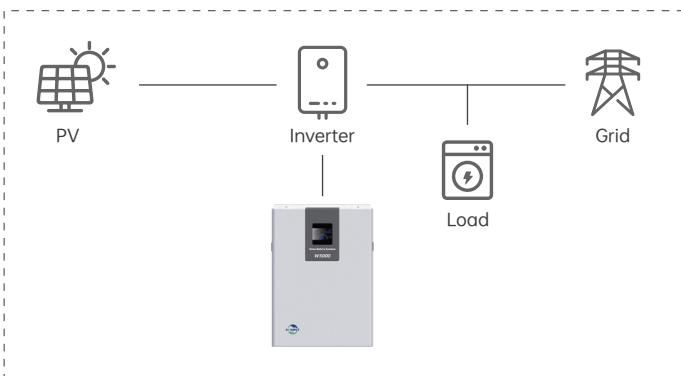
- Display screen allows for real-time monitoring.
- Cloud platform / APP remote monitor.



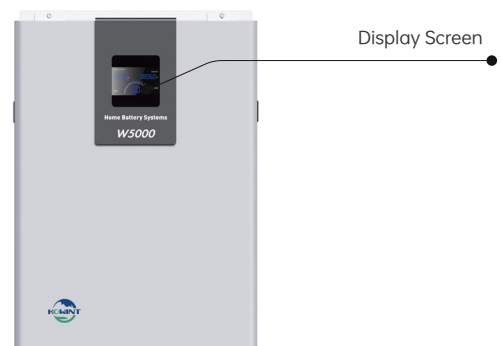
EASY INSTALLATION

- Wall-mount design saves installation space.
- Lightweight and convenient, easy to install.

System Layout



System Demonstration

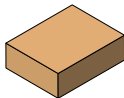


● Product Specifications

System Characteristics

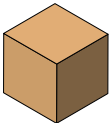
Battery Type	LiFePO4
Rated Energy(kWh)	5.12
Cell Capacity(Ah)	100
Rated Voltage(V)	51.2
Cell Model	3.2V 100Ah
Combination Mode	16S1P
Discharge Cut-off Voltage(V)	43.2
Recommend Charing(V)	56.8
Max. Charging / Discharging Current(A)	95
Primary Overcurrent Protection(A)	210A@10S
Secondary Overcurrent Protection(A)	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)	450*65*180/17.72*2.56*7.09
Net Weight (kg/lb)	~53/~116.84
Protection Degree	IP20
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, UL1973, CE, UACK, CEC
Parallel Capacity	Max.31
Warranty [1]	10 Years

● Packaging & Shipping Details



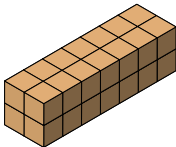
1 Set

~710*535*225 mm
~57 kg



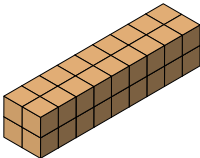
8Set/Box

~760*1130*1120 mm
~30,160 kg



20C

8*28 Set
~13216 kg



40C

8*40 Set
~19840 kg

[2] Please refer to the warranty letter for details