

Specification

Model	YL5K-100A	YL5K-100B
Battery		
Battery Type	LiFePO4	
Nominal Capacity	100Ah	100Ah
Nominal Voltage	51.2V	51.2V
Operating Voltage Range	40.00~58.40V	40.00~58.40V
Max. Charge Current	100A	100A
Max. Discharge Current	100A	100A
Max. Stack Quantity	4 PCS	
Operating Temperature Range	Charge: 0~60℃ & 32~140°F Discharge: -20~60℃ & -4~140°F	
Operating RH	0~95% RH	
Operating Altitude	<3000m	
Assembly Method	Stack	
Net Weight	51kg	51kg
Total Dimension(H*W*D)	841*640*449mm	1287*560*430mm
PV Input		
Num. of MPPT Trackers	1 PC	
Max. PV Array Power	5200W	
Max. Input Current	18A	
Max. Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120~450Vdc	
MPPT Tracking Efficiency	99.9%	
Inverter Output		
Nominal Output Power	5,000W	
Max. Peak Power	10,000W	
Nominal Output Voltage	120/230Vac(Split-Phase L+N+PE)	
Max. Battery Inverter Efficiency	>90%	
Load Capacity of Motors	4HP	
Nominal AC Frequency	50/60Hz	
Waveform	Pure Sine Wave	

Off-grid Home Energy Storage System

Power Cube

DC AC All in One Energy System



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## Track Records Of Reliability

860  
MWh

Over 860 MWh  
battery system  
global deployment

0%

0% complaint  
rate for  
battery cells

0.5%

< 0.5%  
complaint rate  
for BMS



Battery has been tested  
and approved by SGS,  
TUV, UL third-party  
agencies



Complied with IEC62619,  
EN/IEC61000-3,  
EN/IEC-61000-6,  
UL1973, RoHS, CE,  
MSDS, UN38.3

24  
HOUR

5 to 10 years  
warranty with  
24 hours response  
after-sales services

## User Friendly

- Parallel capability up to 4 units, meeting different site energy requirements
- Excellent inverter communication compatibility:  
Deye, Growatt, Sol-Ark, SunSynk, Victron, Voltronic, Goodwe, Luxpower, Sofar, SMA, Schneider, Solis, TBB, INVT, etc
- PC Monitoring and optional WiFi remote monitoring & commissioning
- Wall-mounted, floor-standing, and rack-mounted installations supported
- International CLASS 9 dangerous goods packing certifications
- High energy density with light-weight
- Full set of matched accessories supported

## Premium High Configurations

6,000  
cycles

More than 6,000 cycles

10-15  
years

10~15 years life span

A

Guaranteed Brand-New  
Premium Quality Grade A Battery Cells

IC  
BMS

High Precision Panasonic IC,  
Intelligent BMS

100%

100%DoD supported  
98% efficiency



Meeting residential, commercial  
& industrial standards

