

KOOL ENERGY STORAGE SYSTEM is an all-in-one solution, which integrates an inverter and a LifePO4 battery into one unit. KOOL Energy offers an economical and self-sufficiency solution allowing homeowners to seamlessly store excess solar energy during the daytime to power their home both day and night. Product features including an Lithium-ion battery module which is lighter than lead-acid batteries and a compact/elegant design. Moreover, KOOL Energy offers 3 operation modes settings to adapt to individual houses. It is easy to configure between different operation modes based on user's needs regarding their energy management, include User-programmable PV power supply priority, charging source priority.



Key Features:

- Pure sine wave output;
- 2000 cycles lifePO4 battery and has a 5 years service life;
- The mains input automatically turns on and activate the lifePO4 battery
- The mains supply mode/energy-saving mode/battery mode can be set for flexible;
- Convenient and practical 5VDC-USB2.0; and 12VDC output port;
- MPPT Controller greatly improving the charging efficiency more than 20%;
- Overcharge protection and over discharge protection for a longer battery life;
- Safe and reliable with intelligent exhaust fan control;
- Overall automatic protection and alarms including AC output overload protection, short circuit protection. Etc;

TECHNICAL DATA

Model		KL-1000W	KL-1500W	KL-2000W
Battery Voltage		25.6V	25.6V	25.6V
INVERTER				
Rated Power		1000W	1500W	2000W
Ac Input	Mains charging current	10A		
	Input Voltage Range	145-275V		
	Input Frequency	45-65Hz		
Ac Output	Output Voltage	230VAC		
	Output Frequency	50/60Hz		
	Output Wave	Pure Sine Wave		
Specification Of Built-in LifePO4 Battery		2000 times D.O.D 80%;8S1P;Standard discharge current 50A	2000 times D.O.D 80%;8S1P;Standard discharge current 100A	2000 times D.O.D 80%;8S1P;Standard discharge current 100A
LifePO4 Battery Capacity		25.6V-50AH(1280WH)	25.6V-100AH(2560WH)	25.6V-100AH(2560WH)
SOLAR INPUT				
Max. PV Power		820W	820W	820W
Range Of Charging Voltage		35-100VDC	35-100VDC	35-100VDC
Rated Charge Current		30A(MPPT)	30A(MPPT)	30A(MPPT)
Voltage for Floating Charge		28.4VDC	28.4VDC	28.4VDC
DC OUTPUT				
Low Voltage Recovery Voltage		26.8VDC	26.8VDC	26.8VDC
Low Voltage Protection Voltage		22.4VDC	22.4VDC	22.4VDC
5VDC USB Output		2 pieces USB2.0 5VDC2.4A(Max)		
12VDC Output Ports		2 pieces MAX 2A		
PHYSICAL				
Heat Dissipation/Cooling		Temperature control by intelligent exhaust fan		
Display		Digital LCD+LED		
External Size:W*D*H(mm)		453*189*396mm	494*208*480mm	494*208*480mm
Package Size:W*D*H(mm)		517*287*477mm	580*300*560mm	580*300*560mm
N.W (Net Weight)		26kg	42kg	48kg
G.W (Gross Weight)		28kg	45kg	52kg