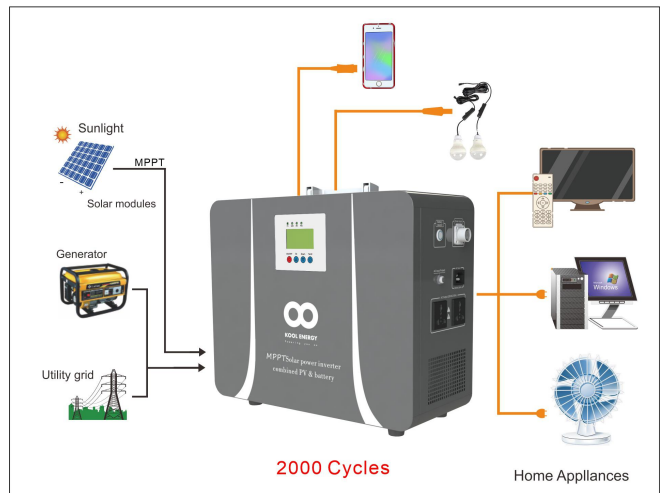


# KOOL Energy Storage System

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
<b>Inverter</b>				
Rated Power		1000W	1500W	2000W
<b>Ac Input</b>	Mains charging current	10A		
	Input Voltage Range	145-275V		
	Input Frequency	45-65Hz		
<b>Ac Output</b>	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)
<b>Solar Input</b>				
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
<b>DC Output</b>				
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		
<b>PHYSICAL</b>				
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