

3kW Solar Storage Inverter

Product Models

- ◆ KY-ESS3K0L-US



Application Scenario

Pictures shown are for illustrative purposes only. The physical product shall prevail.



House



Farm



Telecom



Countryside



Island



Pasture

Product Feature

- Adopt DSP full digital control mode
- The battery has a balanced charging mode
- Battery can use PV maximum to input voltage 500Vdc or not use
- Economic model can be used to charge and discharge the inverter
- High precision MPPT controller
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load
- Both are configured the grid and PV prioritize
- Monitoring system WIFI/GPRS option
- Power grid and oil machine can be freely selected

Model	KY-ESS3K0L-US
Battery Input/Output Data	
Battery Voltage	24VDC
Hybrid Charging Maximum Charging Current	80A
Battery Type	Lithium/Lead-acid
Solar Input Data	
Maximum PV Input Power	4000W
MPPT Range @ Operating Voltage	120VDC - 450VDC
Maximum PV Input Current	13A
Number of Independent MPP Trackers/Strings Per MPP Tracker	1/1
Maximum PV Open-circuit Voltage	500VDC
Maximum Solar Charge Current	80A
AC Output Data	
Rated Power	3000W
Parallel Capability	NO
AC Voltage Regulation	120VAC \pm 5% @ 50/60Hz
Surge Power	6000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
AC Charger Data	
Charge Current	60A
AC Input Voltage	120 VAC
Selectable Voltage Range	95-140 VAC (For Personal Computers); 65-140 VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
Physical Data	
Protection Degree	IP21
Dimension (L/W/D)	456.6(L)x281.5(W)x108.8(D)mm
Packaging Dimension (L/W/D)	590(L)x365(W)x200(D)mm
Net Weight	8.8KG
Operating Environment Data	
Certificate	UL1741/FCC
Humidity	5% to 95% Relative Humidity (Non-condensing)
EMC Certification Level (EMC)	FCC
Altitude	<2000m
Operating Temperature	-10°C - 55°C
Storage Temperature	-15°C - 60°C