

12kW Solar Storage Inverter

Product Models

- ◆ KY-EST12KL-EU



Application Scenario

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



House



Farm



Telecom



Countryside



Island



Pasture

Product Feature

- High-performance dual digital signal DSP control
- Dual independent MPPT inputs, 2x PV input power
- Time-of-use charging and discharging
- PV input with ISO array insulation resistance detection
- AC output with GFCI (Ground Fault Circuit Interrupter) current detection
- Support 6 machines in parallel
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load
- Capable of handling unbalanced loads
- Multiple lithium battery activation functions
- Equipped with 485/CAN communication interfaces

Model	KY-EST12KL-EU
Battery Input/Output Data	
Battery Voltage	48VDC
Hybrid Charging Maximum Charging Current	260A
Battery Type	Lithium/Lead-acid
Solar Input Data	
Maximum PV Input Power	2*9000W
MPPT Range @ Operating Voltage	200VDC - 650VDC
Maximum PV Input Current	2*22A
Number of Independent MPP Trackers/Strings Per MPP Tracker	2/2
Maximum PV Open-circuit Voltage	800VDC
Maximum Solar Charge Current	260A
AC Output Data	
Rated Power	12000VA/12000W
Parallel Capability	Yes, 6 units maximum
AC Voltage Regulation	230/400VAC 3P ± 5% @ 50/60Hz
Surge Power	24000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
AC Charger Data	
Charge Current	120A
AC Input Voltage	230/400 VAC 3P
Selectable Voltage Range	170-280 VAC (L/N); 305-485 VAC (L1/L2/L3)
Frequency Range	50Hz/60Hz (Auto sensing)
Physical Data	
Protection Degree	IP21
Dimension (L/W/D)	639(L)x445(W)x131.6(D)mm
Packaging Dimension (L/W/D)	802(L)x567(W)x240(D)mm
Net Weight	26KG
Operating Environment Data	
Certificate	IEC62109-1/2, EN61000-6-1/3
Humidity	5% to 95% Relative Humidity (Non-condensing)
EMC Certification Level (EMC)	class B
Altitude	<2000m
Operating Temperature	-10°C - 55°C
Storage Temperature	-15°C - 60°C