

10kW Solar Storage Inverter

Product Models

- ◆ KY-ESS10KL-EU



Application Scenario

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



House



Farm



Telecom



Countryside



Island



Pasture

Product Feature

- Support car-p-ion battery BMS communication
- Reliable output, long-term operation at rated power
- Battery can use PV maximum to input voltage 500Vdc or not use
- Both are configured the grid and PV prioritize
- Load power up to 10 kilowatts
- Support 6 machines in parallel, constitute three-phase four-wire power generation system
- 2 high-efficiency, independent MPPT ports
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load
- Economic model can be used to charge and discharge the inverter
- Power grid and oil machine can be freely selected

Model	KY-ESS10KL-EU
Battery Input/Output Data	
Battery Voltage	48VDC
Hybrid Charging Maximum Charging Current	200A
Battery Type	Lithium/Lead-acid
Solar Input Data	
Maximum PV Input Power	2*5500W
MPPT Range @ Operating Voltage	120VDC - 450VDC
Maximum PV Input Current	2*22A
Number of Independent MPP Trackers/Strings Per MPP Tracker	2/2
Maximum PV Open-circuit Voltage	500VDC
Maximum Solar Charge Current	200A
AC Output Data	
Rated Power	10000VA/10000W
Parallel Capability	Yes, 6 units maximum
AC Voltage Regulation	230VAC \pm 5% @ 50/60Hz
Surge Power	20000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
AC Charger Data	
Charge Current	120A
AC Input Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)
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	24.4KG
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