

10kW Solar Storage Inverter

Product Models

- ◆ KY-ESS10KL-US



Application Scenario

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



House



Farm



Telecom



Countryside



Island



Pasture

Product Feature

- Load power up to 10 kilowatts
- High precision MPPT controller
- The battery has a balanced charging mode
- Monitoring system WIFI/GPRS option
- Support 6 machines in parallel, constitute three-phase four-wire power generation system.
- 6 time periods for battery charging/discharging
- Battery can use PV maximum to input voltage 500Vdc or not use
- Economic model can be used to charge and discharge the inverter
- Max. charging/discharging current of 200A
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load

Model		BR-ESS10KL-US
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	120/240VAC \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	120/208A	
AC Input Voltage	120/240 VAC	
Selectable Voltage Range	90-140 VAC (For Personal Computers); 156-242 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	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	