

3.6kW Solar Storage Inverter

Product Models

- ◆ KY-ESS3K6L-EU



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-ESS3K6L-EU |
|--|---|
| 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 | 3600VA |
| Parallel Capability | NO |
| AC Voltage Regulation | 230VAC \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 | 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) | 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 | 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 |