

OREX

FUTURE OF ENERGY

OREX 5KVA ON/OFF GRID HYBRID SOLAR INVERTER WITH MPPT CONTROLLER

Product Photos



Main Features

1. MPPT charge controller built-in, 20% more efficient than PWM charge controller, maximize the use of solar power.
2. Pure sine wave, high frequency technology, wall mounted design, light weighted and easy for customer to operate and maintain.
3. Selectable input voltage range for home appliances and personal computers
4. Selectable charging current based on applications
5. Configurable AC/Solar input priority via LCD setting
6. Compatible to grid power or generator power
7. Parallel operation with up to 6 units only available for 4KVA/5KVA
8. Auto restart while AC is recovering, auto charge and switch, unattended operation
9. Smart battery charger and management for optimized battery performance
10. Remote control panel is optional
11. High Efficiency DC-To-AC Conversion. Minimizing power loss and self power consumption
12. All around protection functions: Overload/short circuit protection/high voltage/low battery voltage/high temperature, etc.

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| Rated Power | | 5000VA/4000W |
| INPUT | Phase&wave form | 230 VAC |
| | Voltage selectable range (for Personal Computer) | 170~280 VAC |
| | Voltage selectable range (for home appliance) | 90~280 VAC |
| | Frequency range | 50Hz/60Hz (Auto sensing) |
| OUTPUT | AC voltage Regulation | 230V AC \pm 5% |
| | Surge Power | 10000VA |
| | Efficiency (Peak) | >90% |
| | Transfer time | 10ms (for personal computer), 20ms (for home appliance) |
| | Wave form | Pure sine wave |
| | No load current | 1.15A |
| | Power factor | 0.8 |

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| Battery | Battery voltage | 48VDC |
| | Floating charge voltage | 54VDC |
| | Overcharge protection | 62VDC |
| | Low battery alarming voltage | 43.5VDC |
| | Low battery cut off protection voltage | 41VDC |
| | Low battery recovery voltage | 45.5VDC |
| MPPT Solar Charger & AC Charger | Maximum PV array power | 3880W |
| | MPPT range operation voltage | 36-115VDC |
| | Maximum PV array open circuit voltage | 145VDC |
| | Standby power consumption | 2W |
| | Maximum solar charge current | 80A |
| | Maximum AC charge current | 80A |
| | Maximum charge current | 110A |
| | Maximum efficiency | 98% |
| PV Configuration | Maximum generated from solar charger | 80A, 4800W |
| | Best PV configuration | 250Wp*15pcs(3750Wp) |
| Physical | Dimension, D×W×H (mm) | 470.5*300*136 |
| | Package size, D×W×H (mm) | 549*394*224 |
| | Weight (Kgs) | N.W.: 10.81KG, G.W.: 12.86KG |
| Environmental | Humidity | 5%~95% Relative Humidity (Non-condensing) |
| | Operation Temperature | 0℃~55℃ |
| | Storage Temperature | -15℃~60℃ |