

OREX

FUTURE OF ENERGY

OREX 3KVA 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.

Rated Power		3000VA/2400W
INPUT	Phase & waveform	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	6000VA
	Efficiency (Peak)	>90%
	Transfer time	10ms (for personal computer), 20ms (for home appliance)
	Wave form	Pure sine wave
	No load current	1.36A
	Power factor	0.8

Battery	Battery voltage	24VDC
	Floating charge voltage	27VDC
	Overcharge protection	32VDC
	Low battery alarming voltage	22.5VDC
	Low battery cut off protection voltage	20.5VDC
	Low battery recovery voltage	23.5VDC
MPPT Solar Charger & AC Charger	Maximum PV array power	1440W
	MPPT range operation voltage	18-145VDC
	Maximum PV array open circuit voltage	145VDC
	Standby power consumption	2W
	Maximum solar charge current	60A
	Maximum AC charge current	60A
	Maximum charge current	110A
	Maximum efficiency	98%
PV Configuration	Maximum generated from solar charger	60A, 1800W
	Best PV configuration	250Wp*6pcs(1500W)
Physical	Dimension, D×W×H (mm)	465*300*116
	Package size, D×W×H (mm)	543*394*205
	Weight (Kgs)	N.W.: 8.4KG, G.W.: 10.1KG
Environmental	Humidity	5%~95% Relative Humidity (Non-condensing)
	Operation Temperature	0℃~55℃
	Storage Temperature	-15℃~60℃