TRIEX.

powered by Trisun Energies

TX-ECO-1.5k

1.5kW, PV2000

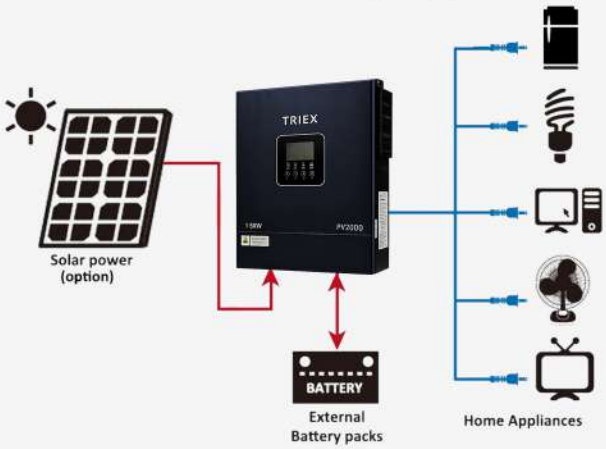
Off-Grid Inverter

KEY FEATURES

- Pure Sine Wave Solar Inverter
- Built-in MPPT Solar Charger
- High PV Input Voltage Range (30–500VDC)
- Supports Up to 2000W PV Array
- High Efficiency Up to 96% (PV to Inverter)
- Wide AC Input Voltage Range (90–280VAC)
- Battery Independent Design (PV Activation Supported)
- Strong Surge Capacity (3000VA)

No Grid? No Worries

24/7 Power for Every Appliance!



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TRIEX 1.5kW

ECO SERIES OFF-GRID INVERTERS

Model	TX-ECO-1500
Capacity	1500VA/1500W
Parallel Capability	NO
Lithium Battery Activation	YES (By PV)
Lithium Battery Communication	No
Input	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC (For Personal Computer); 90-280VAC (For Home Appliances)
Frequency	50/60 Hz (Auto Sensing)
Output	
Nominal Voltage	220/230 VAC ±5%
Rated Power	1500VA/1500W
Battery Mode Power	1200VA/1200W
Frequency	50/60 Hz
Waveform	Pure Sine Wave
Transfer Time	10ms (For Personal Computer); 20ms (For Home Appliances)
Peak Efficiency (PV to INV)	96%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@>=140% Load; 10s@100%-140% Load
Admissible Power Factor	0.6~1 (Inductive or Capacitive)
Battery	
Battery Voltage	12Vdc
Floating Charge Voltage	13.5Vdc
OverCharge Protection	16.5Vdc
Charging Method	CC/CV
Solar Charger & AC Charger	
Solar Charger Type	MPPT
Max. PV Array power	2000W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	30VDC~500VDC
Max. Solar Input Current	15A
Max. Solar Charge Current	100A
Max. AC Charge Current	60A
Max. Charge Current(AC+PV)	100A
Physical	
Dimensions, D x W x H(mm)	330*278*98
Package Dimensions, D x W x H(mm)	400*365*174
Net Weight (Kgs)	3.8
Communication Interface	RJ45 For WiFi
Protection	
Operating Temperature Range	-10°C to 55°C
Storage Temperature	-15°C to 60°C
Humidity	5% to 95% Relative Humidity (Non-Condensing)
Ingress Protection	IP21

Product specifications are subject to change without further notice.