

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Parallel operation up to 6 units



Intrepid PV Inverter Specification

MODEL	3K-24
Rated Power	3000VA/2400W
PARALLEL CAPABILITY	Yes, 6 units
INPUT	
Voltage	110VAC/120 VAC
Selectable Voltage Range	95-140 VAC(For Personal Computers) 65-140 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	110/120 VAC \pm 5% (User selectable)
Surge Power	6000VA
Efficiency (Peak)	90%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	31 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	2000 W
MPPT Range @ Operating Voltage	30 VDC ~80 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	145 VDC
Maximum Charger Current	140 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
PHYSICAL	
Dimension, D X W X H (mm)	125 x 300 x 440
Net Weight (kgs)	11
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

* Product specifications are subject to change without further notice