



# iPower series

500VA - 2000VA

**INVERTER**



**iPower** Series is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS, a standalone power source or an automotive inverter.

**iPower** Series Inverter supplies power from AC power and DC source. When AC cable is connected to a wall socket, utility power goes to connected equipment(s) and/or charges the battery set via charging system. In UPS mode, the Inverter automatically converts battery energy into AC power providing back up to the connected devices. It is also considered as small scale and cost effective inverter for home appliances and office equipment.

## Key Features:

- Fully automatic and silent operation
- Automatic line-to-battery switchover
- Compact size for convenient use and storage
- Selectable Input voltage ranges
- Auto restart while AC recovery
- Rack Tower design for flexible placement
- Provides overload protection
- High efficient DC-to-AC conversion, minimizing energy loss
- Multi-function LED indications and buzzer alarms
- Intelligent 2-Stage Charger control for efficient charging and preventing overcharge
- Available in five AC outlet configuration: NEMA, Schuko, French, India and BS 1363



## Technical Specifications:

MODEL	iP0512	iP1012	iP1024	iP2024
Power	500VA 300W	1000VA 600W	1000VA 600W	2000VA 1200W
<b>INPUT</b>				
DC Nominal Voltage	12Vdc	12Vdc	24Vdc	24Vdc
AC Nominal Voltage (UPS Mode)	110/120VAC or 220/230/240VAC			
AC Voltage Range (UPS Mode)	90~145VAC or 170~280VAC (Narrow Range) 50~145VAC or 90~280VAC (Wide Range)			
<b>OUTPUT</b>				
AC Nominal Voltage	120VAC or 230VAC			
Voltage Regulation (Batt. Mode)	10% ~ 18%			
Frequency	50 or 60Hz			
Frequency Regulation (Battery Mode)	±0.1Hz			
Output Waveform	Modified Sinewave			
<b>BATTERY</b>				
Charge current	10Amp ±1Amp	10Amp ±1Amp	6Amp ±1Amp	10Amp ±1Amp
DC Voltage	12V	12V	24V	24V
Overcharge Protection	15V	15V	30V	30V
<b>TRANSFER TIME</b>				
Typical Transfer time	8 ms			
<b>EFFICIENCY</b>				
AC to AC	>95%			
DC to AC	>80%			
<b>INDICATOR</b>				
AC Mode	Green LED On			
Battery Mode	Yellow LED On			
Battery Charging Mode	Green Flashing every 2 seconds			
Overload	Red Flashing every 0.5 Second			
Fault	Red LED On			
<b>AUDIBLE ALARM</b>				
Low Battery at Battery Mode	Beeps every 2 seconds			
Overload	Beeps every 0.5 second			
Fault	Continuous beeps			
<b>PROTECTION</b>				
Full Protection	Discharge, Overcharge and Overload Protection			
<b>PHYSICAL</b>				
Dimensions (DxWxH) (mm)	244 x 255 x 80 mm			
Net Weight (kg)	2.0	2.3	2.5	2.5
<b>ENVIRONMENT</b>				
Operating Temperature & Humidity	0- 40°C, 0-90 % relative humidity (non-condensing)			
Noise Level	<50dBA			

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