

# iPower 6-10 kVA True On - Line Double Conversion

iPower Series 6-10 kVA



## Application:

**Server, Networking, Medical equipment, Instrument, Machine Controller and other equipment**

## Features :

- High frequency and double conversion on-line
- Fully digitized microprocessor control
- Wide input voltage range
- LCD display
- Cold start
- Parallel capacity
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- Network/fax/modem surge protection
- Optional extension battery pack
- EMI/RFI noise filter
- Smart RS232 with monitoring software
- Optional SNMP card slot

## iPower - Series On-Line Double Conversion Technical Specifications

Model	Descriptions	iPower-6T	iPower-6RM	iPower-10T	iPower-10RM
<b>Power</b>	Power Rating (VA)	<b>6KVA</b>		<b>10KVA</b>	
	Power Rating (WATT)	<b>4200W</b>		<b>7000W</b>	
<b>INPUT</b>	Voltage	220Vac / 230Vac			
	Voltage Range	176 - 276Vac			
	Phase	Single Phase			
	Frequency Range	46 - 54Hz +/- 0.5Hz or 56 - 64Hz +/- 0.5Hz (auto sensing)			
	Power Factor	≥ 0.98			
<b>OUTPUT</b>	Voltage Regulation	220Vac +/- 1%			
	Frequency Regulation	50Hz +/- 0.2% (batter mode)			
	Harmonic distortion (THD)	< 2% (linear load)			
	Transfer time	0 ms			
	Overload Capability	105% -130% for 10 min			
	Crest Factor	3 : 1			
	Wave Form	Pure Sine Wave			
	Short circuit Protection	5 cycle turn off inverter , no transfer to bypass , provide alarm (AC mode) 5 cycle turn off inverter , provide alarm (battery mode) Input fuse blown or breaker action (bypass mode)			
Efficiency	≥ 88%				
<b>BATTERY</b>	Type	Sealed Lead - Acid Maintenance Free Battery			
	DC Voltage	240VDC			
	Number of Battery	20 x 12V-7Ah			
	Back up time	15 - 30 minutes (Depend on Load)			
	Recharge time	After fully discharge, charge 8 hours to 90% capacity			
<b>Communication</b>	Interface	RS232 , SNMP (Option)			
<b>Display</b>	LCD	1. Input voltage / Frequency , Battery Voltage, Output Voltage / Frequency Load Watt / VA and percent Inverter temperature			
		2. Operation mode " On line" "On batt" or " Bypass "			
<b>Indication</b>	LED	1. Green LED for Normal Operation			
		2. Yellow LED for Warning Condition			
		3. Red LED for Abnormal Operation			
<b>ENVIRONMENT</b>	Temperature	0 - 40 ° C			
	Humidity	0 - 95% (Non-Condensing)			
	Altitude	< 1500 m.			
	Audible Noise	< 55 dBA			
	Storage Temperature	0 - 40 ° C			
<b>PHYSICAL SIZE</b>	Dimensions (W x D x H) mm.	270x570x720	440x656x176	270x570x720	440x656x176
<b>WEIGHT</b>	Weight (without batt) kg.	89 kg	N/A	89 kg	N/A
<b>Standard Compliance</b>	Manufacturing	ISO 9001: 2000			