

iPower 1-3 kVA

True On - Line Double Conversion

iPower - Series



Application:

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

Features :

- High frequency and double conversion online
- Fully digitized microprocessor control
- Wide input voltage range
- LCD display
- UPS start up without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Fan speed auto control when loads varies
- Network/fax/modem surge protection
- Optional extension battery pack
- Battery voltage display
- Load capacity display
- EMI/RFI noise filter
- Smart RS232 with monitoring software
- Optional SNMP card slot
- EPO function (optional)

iPower - Series On-Line Double Conversion Technical Specifications

Model	Descriptions	iPower-1T	iPower-1RM	iPower-2T	iPower-2RM	iPower-3T	iPower-3RM
Power	Power Rating (VA)	1000VA		2000VA		3000VA	
	Power Rating (WATT)	700W		1400W		2100W	
INPUT	Voltage	220Vac / 230Vac					
	Voltage Range	160 - 295Vac					
	Phase	Single Phase					
	Frequency Range	46 - 54Hz +/- 0.5Hz or 56 - 64Hz +/- 0.5Hz (auto sensing)					
	Power Factor	> 0.97					
OUTPUT	Voltage Regulation	220/230Vac +/- 1% (Linear load) , 220/230Vac +/- 2% (Non Linear load)					
	Frequency Regulation	50Hz +/- 0.2%					
	Harmonic distortion (THD)	< 3% (linear load)					
	Transfer time	0 ms					
	Overload Capability	> 110% for 30s , >150% 300ms					
	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)					
BATTERY	Efficiency	83%				85%	
	Type	Sealed Lead - Acid Maintenance Free Battery					
	DC Voltage	36Vdc				96Vdc	
	Number of Battery	3x12V-7Ah				8x12V-7Ah	
	Back up time	10 - 40 minutes (Depend on Load)					
Communication	Recharge time	After fully discharge, charge 8 hours to 90% capacity					
	Interface	RS232 , SNMP (Option)					
Display	LCD	1. Input voltage / Frequency , Battery Voltage, Output Voltage / Frequency Load Watt / VA and percent , Inverter temperature 2. Operation mode " On line" or " Bypass "					
	LED	1. Green LED for Normal Operation 2. Yellow LED for Warning Condition 3. Red LED for Abnormal Operation					
ENVIRONMENT	Temperature	0 - 40 ° C					
	Humidity	0 - 95% (Non-Condensing)					
	Altitude	< 1500 m.					
	Audible Noise	< 45 dBA					
	Storage Temperature	-25 - 55 ° C					
PHYSICAL SIZE	Dimensions (W x D x H) mm.	144x419x215	483x400x89	191x478x339	483x520x133	191x478x339	483x520x133
WEIGHT	Weight (without batt) kg.	14	14	33	34	34	35
Standard Compliance	Manufacturing	ISO 9001: 2000					
	Product Standard	IEC 1291 - 2545					