



## iPower Series

# 1kVA - 3kVA

True On-Line Double Conversion



### Features

- High power density.
- Output power factor up to 0.9.
- Three segment charging mode to increase battery life, optimize recharge time.
- Selectable high efficiency mode of operation.
- Cold start.
- Standard communication options: RS-232 communication port, USB communication port, and relay output contacts or SNMP card.
- Power shedding function may turn off uncritical load in battery backup to make longer backup time for critical load.
- Extended runtime with up to four extended battery modules (EBPs) per UPS.
- Emergency shutdown control through the remote emergency power-off (EPO) port.
- Versatile LCD display with setting function.



Control Panel  
Up to 50 items set by LCD



Rear Panel



Battery Cabinets  
(Optional)



- 1.EPO port
- 2.Intelligent slot for SNMP card,drycontact card etc.
- 3.External battery cabinet connector
- 4.Output slots including two segments
- 5.Large current output slot
- 6.Input slot
- 7.RJ45 surge suppress port
- 8.RS232 port
- 9.USB port

## Technical Specifications:

MODEL	iPower-1T	iPower-2T	iPower-3T
Capacity (VA/Watts)	1000 / 900	2000 / 1800	3000 / 2700
<b>INPUT</b>			
Nominal voltage	220 / 230 / 240Vac		
Operating voltage range	120 ~ 300Vac(Full load)		
Operating frequency range	50/60Hz ± 10%		
Power factor	≥0.99		
Max. input current	4.9A	9.5A	14.2A
<b>OUTPUT</b>			
Output voltage	200/208/220/230/240Vac ± 1%		
Output frequency	Synchronized with the utility on AC mode; 50/60Hz (± 0.1%) on battery mode		
Crest factor	3:1		
Harmonic distortion (THD)	<3% (linear load)		
Efficiency	>90%	>91%	>92%
	>94% (high efficiency mode)		
<b>BATTERY</b>			
DC voltage	36Vdc	72Vdc	72Vdc
Battery type & number	12V/7Ah/9Ah × 3	12V/7Ah/9Ah × 6	12V/9Ah × 6
Backup time	Estimated remaining time displayed on the LCD		
Typical recharge time	5 hours (to 90% of full capacity)		
Charge current	1.0A	1.0A	1.0A
<b>SYSTEM FEATURES</b>			
Transfer time	1. 0ms (Mains ↔ Battery) 2. <4ms (Mains ↔ Bypass)		
Overload capability	30s at 100%–150% ;300ms at>150%		
LCD indication	Load/Battery/Input/Output/Operating Mode Information		
Audible alarm	1. Sounding every 4 seconds (Battery Mode) 2. Sounding every second (Low Battery) 3. Sounding twice every second (Overload) 4. Continuously Sounding (Fault)		
Communication interface	RS232,USB,SNMP (optional)		
<b>ENVIRONMENTAL</b>			
Operating temperature	0~40°C		
Humidity range	0~95% (non-condensing)		
Altitude	<1500m		
Noise level	<55dB		
<b>PHYSICAL</b>			
Dimension D × W × H (mm)	409 × 144 × 215	466 × 199 × 337	
Net weight (kg)	13	24.6	25.5
<b>STANDARDS</b>			
Safety	IEC/EN62040-1;IEC/EN60950-1		
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4; IEC61000-4-5;IEC61000-4-6;IEC61000-4-8		



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