



iPower Series 6kVA - 10kVA

True On-Line Double Conversion

















Features

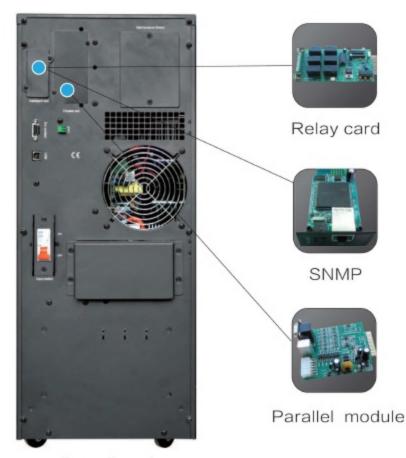
- Parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%</p>
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- High output power factor at 0.9PF
- Wide input voltage range: 120~300Vac
- Wide input frequency range(50Hz: 45~55Hz / 60Hz: 55~65Hz)
- Support generator input
- Support economic(ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start
- Pure sine wave



Battery Cabinets (Optional)







Rear Panel

Technical Specifications:

MODEL		iPower-6T	iPower-10T	
Capacity (VA/Watts)		6k / 5.4k	10k / 9k	
INPUT				
Nominal volta	age	220/230/	240Vac	
Operating voltage range		120~300Vac		
Operating frequency range		50Hz:45~55Hz;60Hz:55~65Hz(auto sensing)		
Power factor		≥0.99		
		Max.voltage: 220V: +25%(optional +10%,+15%,+20%)		
Bypass voltage range		230V: +20% (optional +10%,+15%)		
		240V: +15% (optional +10%)		
		Min.voltage: -45% (optional -20%,-30%)		
ECO range		Same as the bypass		
		<3%(100% linear load)		
Harmonic distortion (THDi) Generator input		Support		
	put	Supp	DOT	
OUTPUT		000/000	0.4014	
Rated voltage		220/230/	5,555,555,555	
Power factor		0.9		
Voltage regulation		± 1%		
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)		
	Bat. Mode	50/60Hz(±0.1%)		
Crest factor		3:	1	
Harmonic dis	stortion (THD)	≤2% with linear load		
Harmonic distortion (THD)		≤5% with non-linear load		
Efficiency		>93.	5%	
BATTERY				
Battery type & number		12V/9Ah × 20 (Sealed lead-	-acid battery maintenance free)	
Typical recharge time		6~8 hours (to 90% of full capacity)		
Charge current		1A(Standard unit); Long run unit Max.current10A(charge current can be set according to battery capacity install		
Backup time		10~30 min		
SYSTEM FI	EATURES			
Transfer time	9	Mains to Battery:0ms;	Mains to Bypass:0ms	
Overload	Line Mode	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, > 150% turn to bypass mode immediately		
	Bypass Mode	40A(Breaker)	60A(Breaker)	
Short circuit		Hold Whole System		
Overheat		Line Mode: Turn to Bypass; Backup Mode: Shut down UPS immediately		
Low battery voltage		Alarm and Switch off		
Self-diagnostics		Upon Power On and Software Control		
Battery		Advanced Battery Management		
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault		
LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
LED & LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load watt/VA and percent,		
LCD display Comunication interface		Battery Voltage, Inverter Temperature & Remaining Battery Backup Time		
		Dry contact,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)		
		Dry contact, USB, SNIVIP card(optional), Pa	railei card(optional), Relay card (optional)	
ENVIRONMENTAL			1010	
Operating te		0°C ~ 40°C		
Storage temperature		−25°C ~55°C		
Humidity ran	ge	0~95% (non-condensing)		
Altitude		< 1500m		
Noise level		<55	dB	
PHYSICAL				
Dimension D × W × H (mm)		502 × 250	0×616	
Net weight (kg)		62 / 18	64 / 20	
STANDARD	os			
Safety		IEC/EN62040-1,IEC/EN60950-1		
		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,		
EMC			IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	