



## iPOWER SERIES: 6-10kVA

Advanced, OnLine, Double Conversion (0.9PF)

### Features

- Rack/Tower Mounting Options
- Rotating LCD Screen
- True, OnLine, Double Conversion
- High Output Power Factor – 0.9PF
- Digital Control of Charger/Rectifier/Inverter functions
- External Battery Pack – 20 Batteries (16/18 optional)
- SMART, Remote Management Options
- Hot-Swap Battery Replacement
- ECO Mode
- Self-Testing Functions
- DC Start
- Emergency Power Off
- Automatic Bypass
- Extended Battery Packs



Please note all images and specifications may change without notice. E & OE. Please check with your local distributor that you have the latest version.

# TECHNICAL SPECIFICATIONS

MODEL		iP-RT-6KVA-N	iP-RT-10KVA-N
Capacity (VA/Watts)		6000VA/5400W	10000VA/9000W
<b>INPUT</b>			
Nominal Voltage		220/230/240Vac (L+N+PE)	
Operating Voltage Range		120~276Vac	
Operating Frequency Range		45-55Hz/54-66Hz 0,5Hz	
Power Factor		≥0.99	
Bypass Voltage range		220V: +25%(optional +10%, +15%, +20% ) 230: +20% (optional +10%, +15%) 240: +15% (optional +10%) Min. voltage: -45% (optional -20%, -30%)	
ECO Range		Same as bypass	
Harmonic distortion (THDi)		≤3%(100% linear load)	
Generator Input		Support	
<b>OUTPUT</b>			
Output Voltage		220/230/240Vac	
<b>Power Factor</b>		<b>0.9</b>	
Voltage Regulation		±2%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)	
	Bat.Mode	50/60 ( ±0.1) Hz	
Crest Factor		3:1	
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load	
Waveform		Pure Sinewave	
Efficiency		>93.5%	
<b>BATTERY</b>			
Battery Voltage		Optional Voltage: ±96/±108/±120Vdc	
Typical Recharge Time		6-8 hours (UP 90% of full capacity)	
Charge current		Maximum Current 6A; charge current can be set according to battery capacity installed	
<b>SYSTEM FEATURES</b>			
Transfer Time		Utility to Battery : 0ms; Utility to bypss:0ms	
Overload	Line Mode	Load≤110%:last 60min; ≤ 125%:last 10min; ≤150%:last 1S: ≥150%turn to bypass mode	
	Bypass Mode	40A(Input breaker)	60A(Input breaker)
Short Circuit		Hold Whole System	
Overheat		Line Mode: Switch to Bypass: Backup Mode: Shut down UPS immediately	
Low battery voltage		Alarm and Switch off	
Self-diagnostics		Upon Power On and Software Control	
EPO (optional)		Shut Down UPS Immediately	
Battery		Advanced Battery Management	
Noise suppression		Complies with EN62040-2	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
Status LED & LCD display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload, UPS Fault	
Reading on the LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage Inner Temperature & Remaining Battery Backup Time	
Communication interface		USB, RSR232, Parallel Port, SNMP card/Relay card (optional)	
<b>ENVIRONMENTAL</b>			
Operating temperature		0~40°C	
Storage temperature		-25~55°C	
Humidity range		0~95% (non-condensing)	
Altitude		<1500N	
Noise level		<55dB	
<b>PHYSICAL</b>			
Dimension W x H x D(mm)		443 x 131 x 580 (3U)	
Net Weight (kg)		23	25
<b>STANDARDS</b>			
Safety		IEC/EN62040-1, IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC/EN61000-4-2, IEC61000-4-3, IEC61000-4-4 IEC61000-4-5, IEC61000-4-6, IEC 61000-4-8	

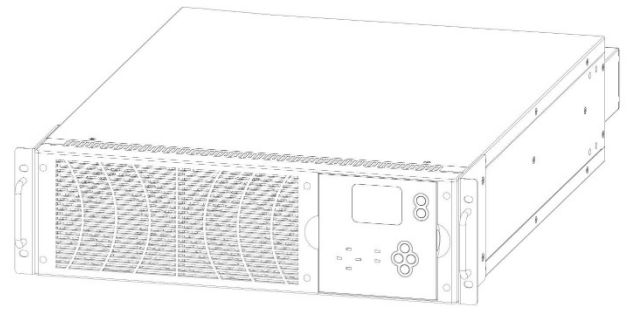
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## UPS (Uninterruptible Power Supply)

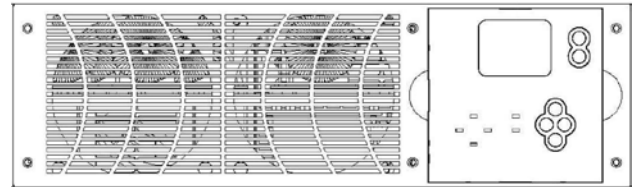
An uninterruptible power supply, also known as an uninterruptible power source or UPS, is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails.

An iCE online UPS differs from an auxiliary or emergency power system or standby generator in that it will provide instantaneous protection from input power interruptions, by supplying energy stored in batteries.

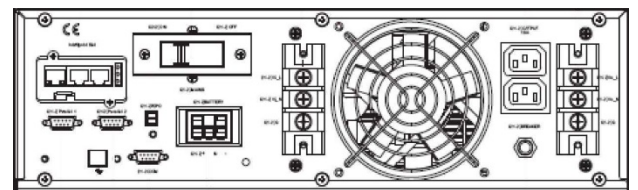
The on-battery runtime of most uninterruptible power sources is relatively short (only a few minutes and when compared to an inverter system) but is sufficient to start a standby power source or properly shut down the protected equipment.



UPS Rack Mount View



UPS Front View



UPS Rear View

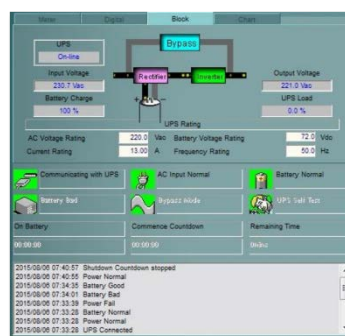
## iCE iPower Series

The iCE iPower UPS series are true, On-Line, Double Conversion units with high output efficiency power factor (0.9PF)

Designed to maintain business continuity on both office and data environments, the iPower series can be either tower (free standing) or 19" rack mount.

All units are intelligent in their ability to provide real-time information of internal components. Where thresholds are exceeded the unit can alert and switch modes to maintain run-time of critical devices.

Remote management, control and maintenance requests can be performed through the optional management cards – SNMP or I/O.



iCE iPower Management Interface