



iPOWER SERIES: 1-3kVA

Advanced, OnLine, Double Conversion (0.9PF)

Features

- Rack/Tower Mounting Options
- Rotating LCD Screen
- True, OnLine, Double Conversion
- High Output Power Factor – 0.9PF
- Comprehensive Menu/Information Selection
- SMART, Remote Management Options
- Hot-Swap Battery Replacement
- ECO Mode
- Power Shedding (turn off less critical loads)
- Cold Start Function
- Emergency Power Off
- Extended Battery Packs



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TECHNICAL SPECIFICATIONS

iP-SII-RT-1KVA-B		iP-SII-RT-1KVA-B		iP-SII-RT-1.5KVA-B		iP-SII-RT-2KVA-B		iP-SII-RT-3KVA-B	
Capacity - (VA/Watts)		1000VA/900W		1500VA/1350W		2000VA/1800W		3000/2700	
INPUT									
Rated Voltage		200/208/220/230/240Vac							
Voltage Range		110-290Vac							
Frequency Range		45-65Hz (auto-detect)							
Power Factor		≤0.98							
Bypass Voltage Range				Max.voltage: +15%(optional +5%, +10%, +25%) Min.voltage: -45%(optional-15%,-20%, -30%) Frequency protection range: +/-10%					
Generator Input		Support							
OUTPUT									
Rated Voltage		200/208/220/230/240Vac							
Power Factor		0.9							
Voltage Regulation		+/-2%							
Frequency	Utility Mode	50Hz or 60Hz(Synchronized to Mains)							
	Battery Mode	50/60Hz +/- 0.2Hz							
Crest Factor		3:1							
THDv		3% with linear load 5% with non linear load							
Efficiency	AC Mode(Full load)	up to 90%							
	Battery Mode(Full load)	>85%							
	ECO Mode(Full load)	>94%							
BATTERY									
Standard Model	Battery Type	12V/9AH		12V/9AH		12V/9AH		12V/9AH	
	Numbers	2		3		4		6	
	Typical Recharge Time	4 hours recover to 90% capacity							
	Charging Current (max.)	1.4A							
	Charging Voltage	27.4VDdc + 1%		41.0VDdc + 1%		54.7VDdc + 1%		82.1VDdc + 1%	
Long-run Model	Battery Numbers	Depending on the capacity of external batteries							
	Charging Current (max.)	6A/12A(double board)		7A/12A(double board)		6A/12A(double board)		6A/12A(double board)	
	Charging Voltage	27.4VDdc + 1%		41.0VDdc + 1%		54.7VDdc + 1%		82.1VDdc + 1%	
SYSTEM FEATURES									
Transfer time		Utility to Battery: Oms; Utility to Bypass < 4ms							
Overload	AC Mode	Load <100%-150%: 30S; -Load> 150%: 300ms then shut down UPS completely							
	Bat. Mode	Load <100%-150%: 30S; -Load> 150%: 300ms then shut down UPS completely							
	Bypass Mode	Load > 130%: 60S then shut down output							
Audible & Visual		Line Failure, Battery Low, Overload, System Fault							
Status LED & LCD		Load/Battery/Input/Output/Operating Mode Information							
ENVIRONMENTAL									
Dimension(W x H x D)mm		440 x 86.5 x 430		440 x 86.5 x 430		440 x 86.5 x 572		440 x 86.5 x 696	
Weight (Kg)		15.1		18.1		22.2		25.5	
Input Connection		IEC320 C 14 - 10A		IEC320 C 14 - 10A		IEC320 C 20-16A		IEC320 C 20-16A	
Output Connection		IEC320 C13 - 10A x 6		IEC320 C13 - 10A x 6		IEC320 C13 - 10A x 6		IEC320 C13-10A x 6 & C19-16A x 1	
Communication Interface		Smart RS232/USB Port/RJ45/SNMP Card (Independent to RS232)							
Operating Temperature		0~40							
Storage Temperature		-25~+55							
Humidity		0~90% (non condensing)							
Altitude		<1500m.(derating while > 1500m)							
Noise		<50dB (at 1 meter)							
BATTERY BANK									
Model		iBP-RT-1KVA-9Ah-B		iBP-RT-1.5KVA-9Ah-B		iBP-RT-2KVA-9Ah-B		iBP-RT-3KVA-9Ah-B	
Battery Type and Quantity		9AH x 4		9AH x 6		9AH x 8		9AH x 12	
PHYSICAL OF BATTERY BANK									
Unit Dimensions W x H x D (mm)		440 x 86.5 x 430		440 x 86.5 x 430		440 x 86.5 x 572		440 x 86.5 x 696	
Weight (Kg)		12		15		22		32	

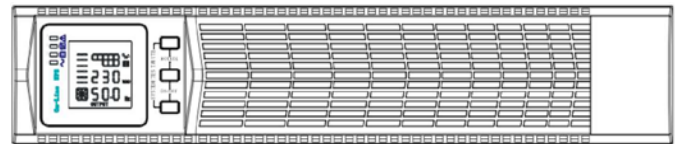
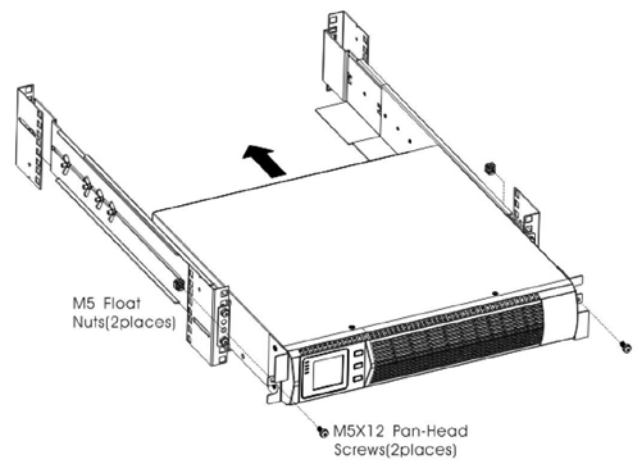
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UPS (Uninterruptible Power Supply)

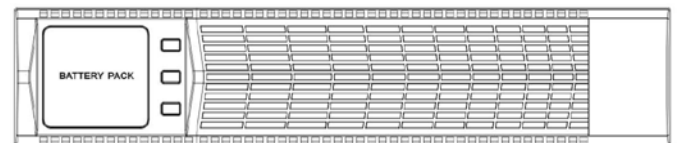
An uninterruptible power supply, also known as an uninterruptible power source or UPS, is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails.

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.

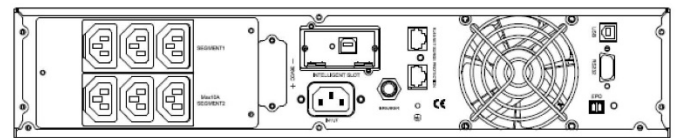
The on-battery runtime of most uninterruptible power sources is relatively short (only a few minutes and when compared to an inverter system) but is sufficient to start a standby power source or properly shut down the protected equipment.



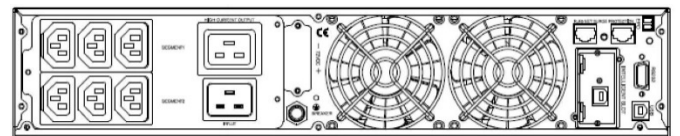
1-3kVA Front View



1-1.5kVA Rear View



2-1kVA Rear View



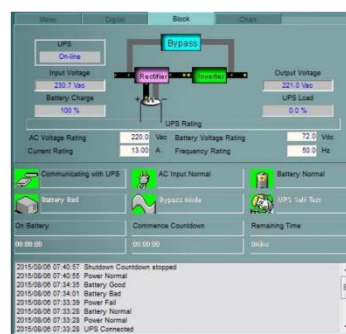
iCE iPower Series

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

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