



## iMax Series

# 1kVA - 3kVA

True On-Line Double Conversion

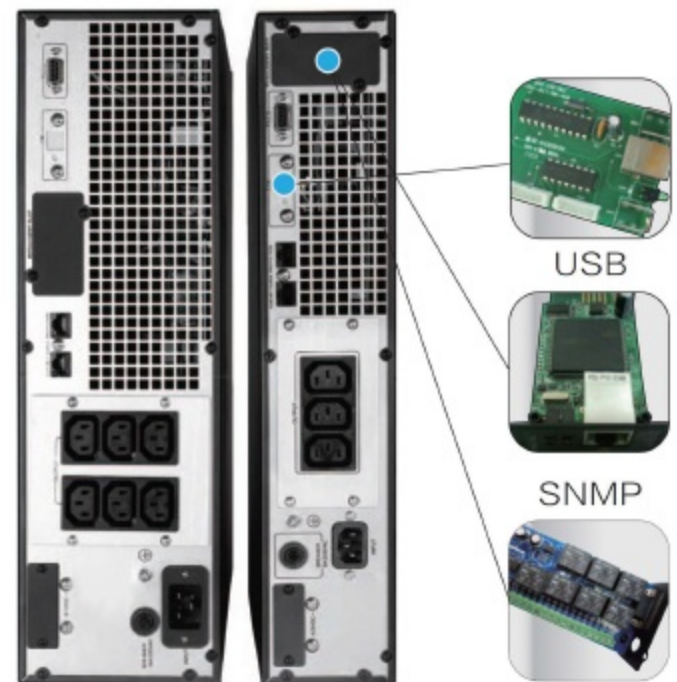


### Features

- Rack-Tower convertible
- Two directions LCD display
- Online-Double conversion (PFC)
- Full digital control (DSP)
- Output power factor: 0.9
- Economic operation mode (ECO)
- Wide input voltage range
- Self-testing when UPS startup
- Cold start
- Multifunctional protection
- Output bypass can be set
- Input L and N reversed alarm function
- Optimized battery configuration(1k:24Vdc, 2k:48Vdc, 3k:72Vdc)
- Charger can be extended
- Diverse options of accessories, intelligent management
- Intelligent slot optional: USB/SNMP/Dry contact card



Two directions LCD display



Rear Panel

Drycontact board



## Technical Specifications:

MODEL	iMax-1RT		iMax-2RT		iMax-3RT	
Capacity (VA/Watts)	1000 / 900		2000 / 1800		3000 / 2700	
<b>INPUT</b>						
Nominal voltage	220 / 230 / 240Vac					
Operating voltage range	110 ~ 300Vac					
Operating frequency range	50/60Hz ± 10% (auto sensing)					
Power factor	≥0.99					
<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 (max)					
Harmonic distortion (THD)	<3% (linear load)					
Efficiency	>90%		>91%			
	>94%(high efficiency mode)					
<b>BATTERY</b>						
DC voltage	24Vdc		48Vdc		72Vdc	
Battery type & number	12V/9Ah × 2		12V/9Ah × 4		12V/9Ah × 6	
Backup time	Full load ≥ 5min(Standard), Long run unit depends on the capacity of battery.					
Charge current	1A	6A	1A	7A	1A	7A
<b>SYSTEM FEATURES</b>						
Overload capability	1. 105%~150%, 30s turn to bypass mode and alarm (mains mode) 2. >150% 300ms turn to bypass mode and alarm (mains mode) 1. 105%~150%, exceed 30s, shut down and alarm (battery mode) 2. >150%, exceed 300ms, shut down and alarm (battery mode)					
Transfer time	1. 0ms (Mains ↔ Battery); 2. <4ms (Mains ↔ Bypass) 3. <10ms (Mains → ECO); 4. <10ms (Battery → ECO)					
Communication interface	RS232, optional (USB port, USB card, SNMP card, Dry contact card )					
<b>ENVIRONMENTAL</b>						
Operating temperature	0~40℃					
Storage temperature	-25℃ ~ 55℃					
Humidity range	0~95% (non-condensing)					
Storage temperature	-25℃ ~ 55℃					
Altitude	< 1500m					
Noise level	<45dB					
<b>PHYSICAL</b>						
Dimensions D × W × H (mm)	380 × 440 × 86.5		520 × 440 × 131			
Net weight/Shipping weight (kg)	12/14.5	7/9.5	21.5/24.5	11.5/14.3	26/28.8	11.7/14.5
<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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