

iMax-RT

True On - Line Double Conversion



Application:

PC, workstation, network center, SOHO, server, industry equipment, medical equipment, or other critical system.

Features

1. Online-Double conversion (PFC)
2. Fully digital control (DSP)
3. Economic Operation Mode (ECO)
4. Wide input voltage range
5. Self-testing when UPS startup
6. Cold Start (DC)
7. Secondary power down function
8. Multifunctional protection
9. Output bypass can be set
10. Input neutral and live wires reverse detection
11. Charger can be extended
12. Diverse options of accessories, intelligent management

iMax - RT Series

iMax - RT - Series On - Line Double Conversion Technical Specifications

Model		iMax-1RT	iMax-1RTH	iMax-2RT	iMax-2RTH	iMax-3RT	iMax-3RTH	
Capacity (VA)		1000VA / 800W		2000VA / 1600W		3000VA / 2400W		
INPUT	Phase	Sing phase & Ground						
	Rated Voltage	220 VAC						
	Voltage Range	115 VAC - 295 VAC						
	Frequency Range	45 ~ 55Hz ± 0.5Hz or 55 ~ 65Hz ± 0.5Hz auto sensing						
	Power Factor	≥ 0.99						
	ECO Range	200 VAC - 240 VAC						
	Bypass Voltage Range	168 VAC - 252 VAC						
	Current Harmonic (THDi)	≤ 7 % (100% Non-Linear Load)						
OUTPUT	Phase	Sing phase & Ground						
	Rated Voltage	200/208/220/230/240 VAC Slectable (Optional)						
	Power Factor	0.8						
	Voltage Precision	220VAC ± 1 %						
	Frequency Utility Mode	Follow utility						
	Frequency Battery Mode	50/60 Hz 0.1 % (Free Running)						
	Crest Factor	3:1						
	Transfer Time	0 Msec						
	Overload Capacity	Battery Mode	108% ± 5% < Load < 150% ± 5% exceed 30s, cut off and Alarm 150% ± 5% < Load < 200% ± 5% exceed 300ms, cut off and Alarm					
		Utility Mode	108% ± 5% < Load < 150% ± 5% exceed 30s, Transfer to bypass and Alarm 150% ± 5% < Load < 200% ± 5% exceed 300ms, Transfer to bypass and Alarm					
	Efficiency Utility Mode	87%		88%		88%		
	Efficiency Battery Mode	85%		85%		85%		
	THD	< 3% (100% linear load) < 5% (100% non-linear load)						
	ECO Efficiency	> 94%						
Battery	Voltage	24VDC	24VDC	48VDC	48VDC	72VDC	72VDC	
	Battery Configuration	2x12V/9AH		4x12V/9AH		6x12V/9AH		
	Type	12V / 9AH Free maintenance High-Rate Sealed Lead Acid Battery (Standard)						
	Backup Time	15 - 60 Min. (Depending on load) Long time unit depends on the capacity of external batteries						
	Charge Current (A)	1A	7A	1A	7A	1A	7A	
Operation Environment	Temperature	0°C ~ 40°C						
	Humidity	0 ~ 95% (Non condensing)						
	Storage temperature	- 25°C ~ 55°C						
	Altitude	< 1500 m						
Mechanical	Unit Dimensions WxDxH (mm)	440W x 380D x 86.5H			440W x 520D x 131H			
	Weight (Kg)	12/14.5	7/9.5	21.5/24.5	11.5/14.3	26/28.8	11.7/14.5	
Communication Interface		RS232 & USB Port (USB Card, SNMP Card, Dry contact card): Option						
Industrial Standard		YD/T 1095 - 2000						