

iMax

True On - Line Double Conversion



Application

- Online-Double conversion (PFC)
- Fully digital control (DSP)
- Economic Operation mode (ECO)
- Wide input-voltage range
- Self-testing when UPS startup
- Cold Start (DC)
- Multifunctional protection
- Output bypass settable
- Input neutral and live wires revers detection
- Charger extendible
- USB port (optional), USB is of automatic priority when USB & RS232 work together.

iMax - Series On - Line Double Conversion Technical Specifications

Model		iMax-1T	iMax-1TH	iMax-2T	iMax-2TH	iMax-3T	iMax-3T	
Capacity (VA)		1000VA / 700W		2000VA / 1400W		3000VA / 2100W		
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						
	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						
	Power Factor	0.7						
	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					
		Utility Mode	150% ± 5% < Load < 200% ± 5% exceed 300ms, cut off and Alarm					
	Efficiency Utility Mode		86%					
Efficiency Battery Mode		84%						
THD		< 3% (100% linear load)						
		< 5% (100% non-linear load)						
Battery	Voltage	24VDC	24VDC	48VDC	48VDC	72VDC	72VDC	
	Battery Configuration	2x12V/7AH		4x12V/7AH		6x12V/7AH		
	Type	12V / 7AH (Standard)						
	Backup Time	15 - 60 Min. (Depending on load) Long time unit depends on the capacity of external batteries						
	Charge Current (A)	1A	4A	1A	4A	1A	4A	
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)	144W x 361D x 215H			191W x 428D x 337H			
	Weight (Kg)	10.2/11	5.2/6	19.5/21.1	9.5/11.1	24/25.6	9.7/11.3	
Communication Interface		RS232 & USB Port (USB Card, SNMP Card, Dry contact card): Option						
Industrial Standard		YD/T 1095 - 2000						