

# MACAN Rack & Tower

MACAN Rack & Tower Series with high performance Power Factor 1.0 are the safe guarding for your critical application.



MRT-1000VA/1500VA/2000VA/3000VA/6000VA/10KVA

## Main Feature

### • Output Power Factor 1

MRT series new generation UPS with advanced technology application, Power Factor 1.0 output, perfectly protect your missional power system and ensure the best output performance.

### • Hot Swappable & Battery Easy Replacement

Specific battery compartment design for easy battery replacement & ensure continuity power protection during equipment battery replacement.

### • Multi-Section Fan Regulation

Multi fan speed segment for particular device loading range, MRT remains suitable temperature for high efficiency performance and reduces the operating noise immensely.

### • 50 / 60 Hz Frequency Converter Mode

No matter how low/high the input voltage is, lock output frequency at 50 Hz or 60 Hz.

### • Auto-Rotating LCD Display

Industry-leading auto-rotating LCD display suits installation formation in vertical tower or rack mount. User instantly acquire all information from big size and clear display.

### • UPSMON PRO and APP support

UPSMON PRO and UPSMON APP control UPS and provide UPS status instantly.



Download Link



UPSMON for portable Device



UPSMON PRO Interface

## IEC Outlet



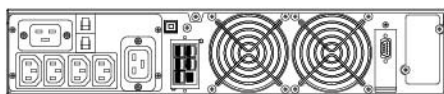
MRT-1000



MRT-1500



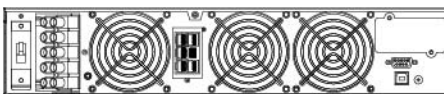
MRT-2000



MRT-3000



MRT-6000



MRT-10KVA



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## On-Line True Double Conversion UPS

### Specification

Model		MRT-1000	MRT-1500	MRT-2000	MRT-3000	MRT-6000	MRT-10K
Configuration							
Capacity (VA)		1000 VA	1500 VA	2000 VA	3000 VA	6000 VA	10 KVA
Capacity (Watts)		1000 W	1500 W	2000 W	3000 W	6000 W	10 KW
Form		Rack and Tower Type					
Phase		Single Phase					
Energy Saving		Yes - ECO Mode Efficiency >94%					
Input							
Voltage		100 / 110 / 120 / 127 or 208 / 220 / 230 / 240 VAC				208 / 220 / 230 / 240 VAC	
Input Voltage Range		60 - 144 VAC, < 25% Load	120 - 276 VAC, < 25% Load	120 - 276 VAC, < 25% Load			
		70 - 144 VAC, < 50% Load	140 - 276 VAC, < 50% Load	140 - 276 VAC, < 50% Load			
		80 - 144 VAC, < 75% Load	160 - 276 VAC, < 75% Load	160 - 276 VAC, < 75% Load			
		90 - 144 VAC, < 100% Load	180 - 276 VAC, < 100% Load	180 - 276 VAC, < 100% Load			
Input Frequency Range		50 / 60 Hz (Auto Sensing)					
Input Power Factor		>0.97					
Cold Start		Yes					
Output							
Rated Power Factor		1.0					
Waveform		Pure Sine Wave					
Voltage		100*/110*/120/127 VAC ± 2% or 208*/220/230/240 VAC ± 2%				208* / 220 / 230 / 240 VAC ± 2%	
Frequency		50 / 60 Hz ±0.25 Hz					
Transfer Time		0 ms					
Harmonic Distortion		≤ 2.5% THD at Linear Load				≤ 3% THD at Linear Load	
Crest Factor		3 : 1					
EPO Function		Option					
Protection							
Overload	Line Mode	105% - 120% for 30 seconds 121% - 150% for 10 seconds					
	Battery Mode	101% - 109% for 10 seconds 110% - 120% for 3 seconds					
Surge Protection		IEC 61000-4-5 Level 3					
Bypass		Internal Bypass (Automatic and Manual)					
Short Circuit Protection		UPS Output Cut Off Immediately					
Battery							
Type		12V 7Ah	12V 9Ah	12V 7Ah	12V 9Ah	12V 5Ah 12V 7Ah : Option(3U)	12V 9Ah
Internal Batt.		Yes	Yes	Yes	Yes	External Batt.	External Batt.
Quantity		3	3	6	6	20	20
Sealed, Maintenance Free		Yes					
Typical Recharge Time		4 hr to 90%					
External Battery Module		Option					
External Battery Connector		Option					
Management & Communication							
LCD Control Panel		Yes					
Communication Port		RS 232, USB B type					
SNMP Slot		Option				Standard	
Audible Alarms		Yes					
Physical							
Power Module	Dimensions(WxDxH)(mm)	428 x 425 x 84		428 x 635 x 84			
	Weight (kgs)	14.7	16.2	26.2	29	15.8	20
	Shipping Dimensions(mm)	546 x 552 x 206		550 x 750 x 220			
	Shipping Weight (kgs)	17.5	19	30	33.4	19.6	24
Batt. Module	Dimensions(WxDxH)(mm)	428 x 425 x 84		428 x 635 x 84		428 x 635 x 84(2U) 428 x 597 x 130(3U)	428 x 657 x 130 (3U)
	Weight (kgs)	20.7		37.3		42(2U) / 66(3U)	68
	Shipping Dimensions(mm)	546 x 552 x 206		500 x 750 x 220		500 x 750 x 220 560 x 740 x 375	590 x 830 x 370
	Weight (kgs)	23.4		40.8		45.6(2U) / 75.5(3U)	83

\* While 208V output, capacity will be derated to 90%.

\* While 100V input, capacity will be derated to 80% for 1.5K/2K/3K LV model.

\* While 110V input, capacity will be derated to 90% for 1.5K/2K/3K LV model.

\*\* Specifications are subject to change without further notice.

\*\* Specifications are for reference, please refer to information based on real product.



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