

# MACAN Rack & Tower



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

### 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-Rotated LCD Display

Industry-leading auto-rotated 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

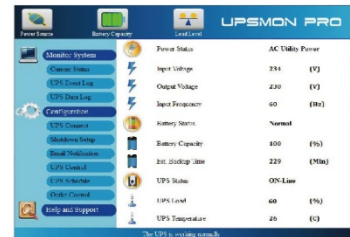
UPSMON and UPSMON APP control UPS and provide UPS status instantly.



Download Link

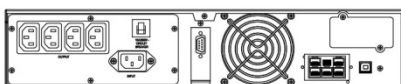


UPSMON for portable Device

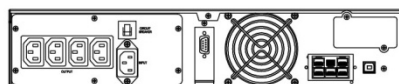


UPSMON Interface

## IEC Outlet



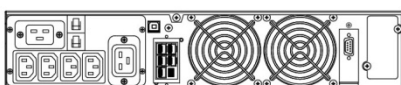
MRT-1000



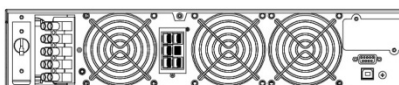
MRT-1500



MRT-2000



MRT-3000



MRT-6000



MRT-10KVA

# On-Line True Double Conversion UPS

## Specification

Model		MRT-1000	MRT-1500	MRT-2000	MRT-3000	MRT-6000	MRT-10K
Capacity (VA / Watts)		1000VA / 1000W	1500VA / 1500W	2000VA / 2000W	3000VA / 3000W	6000VA / 6000W	10KVA / 10KW
Phase		Single Phase					
Energy Saving		Yes - ECO Mode Efficiency >94%					
<b>Input</b>							
Voltage		208 / 220 / 230 / 240 Vac					
Input Voltage Range		120 - 300 VAC, 0 - 25% Load 140 - 300 VAC, 26 - 50% Load 160 - 300 VAC, 51 - 75% Load 180 - 300 VAC, 76 - 100% Load					
Input Frequency Range		50 - 60 Hz (Auto Sensing)					
Input Power Factor		>0.97					
Cold Start		Yes					
<b>Output</b>							
Rated Power Factor		1.0					
Waveform		Pure Sine Wave					
Voltage		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					
<b>Protection</b>							
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					
<b>Battery</b>							
Battery Type x Quantity		12V 7Ah x 3	12V 9Ah x 3	12V 7Ah x 6	12V 9Ah x 6	12V 5Ah x 20	12V 9Ah x 20
Internal Batt.		Yes	Yes	Yes	Yes	External Batt.	External Batt.
Sealed, Maintenance Free		Yes					
Typical Recharge Time		4 hr to 90%					
<b>Environment</b>							
Operating Humidity		0-90 % RH at 0-40°C (Non-condensing)					
Audible Noise		Less than 40 dB				Less than 55 dB	
Altitude		< 2000m					
Heat Dissipation (BTU/h)		342	512	683	1024	2047	3412
<b>Management &amp; Communication</b>							
LCD Control Panel		Yes					
Communication Port		RS 232, USB B type					
SNMP Slot		Option					
Audible Alarms		Yes					
<b>Physical</b>							
Power Module	Dimensions (WxDxH) (mm)	428 x 425 x 84			428 x 635 x 84		
	Weight (kgs)	14.7	16.2	26.2	29	15.7	20
	Shipping Dimensions (mm)	546 x 552 x 206			550 x 750 x 220		
	Shipping Weight (kgs)	17.5	19	30	33.4	18	24
Batt. Module	Dimensions (WxDxH) (mm)	428 x 425 x 84			428 x 635 x 84		428 x 635 x 84 (2U) 428 x 657 x 130 (3U)
	Weight (kgs)	20.7			37.3		42
	Shipping Dimensions (mm)	546 x 552 x 206			500 x 750 x 220		500 x 750 x 220
	Shipping Weight (kgs)	23.4			40.8		45.6

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

\* Wide Input Voltage Range (120-300 VAC) compatible with generator, keeps UPS stable

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

\*\* Specifications are for reference, actual information should be based on real product.