

Online True Double Conversion UPS

MACAN Rack & Tower



MACAN Rack & Tower Series with Power Factor 1.0, high quality performance, safely guarding your critical applications.

Application



MRT-1000VA/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

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Specification

Model		MRT-1000	MRT-1500	MRT-2000	MRT-3000	MRT-6000	MRT-10K
Capacity (VA / Watts)		1000/1000	1500/1500	2000/2000	3000/3000	6000/6000	10kVA/10kW
Phase		Single Phase					
Energy Saving		Yes - ECO Mode Efficiency >94%					
Input							
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		45 - 65 Hz (Auto Sensing)					
Input Power Factor		>0.97					
Cold Start		Yes					
Output							
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					
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							
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%					
Environment							
Operating Humidity		0-90 % RH at 0-40°C(Non-condensing)					
Audible Noise		Less than 40 dB				Less than 55 dB	
Management & Communication							
LCD Control Panel		Yes					
Communication Port		RS 232, USB B type					
SNMP Slot		Option					
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	15.7	20
Batt. Module	Dimensions (WxDxH mm)	428 x 425 x 84 / 2U		428 x 635 x 84 / 2U		428 x 635 x 84 / 2U	428 x 657 x 130 / 3U
	Weight (kgs)	20.7	37.3	42	68	20.7	37.3

* 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 a real product.