

// Mars RT Pro Convertible On-line UPS / MS RT Pro 1-3KVA



- Rack/Tower Design
- Advanced Digital Control Technology
- Wide Input Voltage and Frequency Windows
- Programmable Receptacles
- Unity Input Power Factor
- Double Conversion Online Technology
- Customer Options Slot
- Optional Manual Bypass
- Hot Swappable Battery
- Emergency Shutdown Control through EPO
- Matching Battery Cabinet
- Extended Runtime Capability
- Super Compact Convertible Design
- Powerful Built-in Charger



■ MP1000



■ MP2000



■ MP3000

MS RT Pro 1-3K Specifications

Model	MP1000	MP2000	MP3000		
Input	Voltage			60/70/80~144 or 120/140/160~288Vac**	
	Frequency			50/60Hz ±5% (Auto Sensing)	
	Phase			Single + G	
	Power Factor			>0.99(Full Linear Load)	
Output	Voltage			100/110/115/120/127 or 200/208/220/230/240	
	Capacity	1000VA / 800W	2000VA/1600W	3000VA/2400W	
	Frequency (Synchronized Range)			3Hz or 1Hz (selectable)	
	Frequency (Battery Mode)			50Hz / 60Hz ±0.1% unless synchronized to line	
	Crest Factor			3:1	
	Output Waveform			Pure Sine Wave	
	Transfer Time (AC to DC)			0 ms	
	Efficiency			up to 90% (Line mode)	
	DC Start			Yes	
	Battery	Number of batteries		3	6
Type			Sealed Lead Acid Maintenance Free		
Capacity		12V/7Ah	12V/7Ah	12V/9Ah	
Rated Battery Voltage		36Vdc		72Vdc	
Recharge Time (to 90%)		3 hours			
Display	LED (Standard) LCD (Option)			Normal, Battery, Bypass, Programmable Outlet 1, Programmable Outlet 2, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload, and Load/Battery Level conditions.	
	Self-Diagnostics			Upon Power On and Software Control	
	Button			On button / Off button (Test / Alarm silence button)	
Alarm	Audible and Visual			Line Failure, Battery Low, Overload, System Fault Conditions	
Protection	Overload capacity			105% continuous, 120% for 30 sec., 150% for 10 sec.	
	Short Circuit			Output Breaker/Electronic Circuit	
	EPO			Output shuts down immediately	
	Over Temperature			AC Mode: Switch to Bypass; Backup Mode: UPS shuts down immediately	
Physical	Dimensions WxHxD(mm)		440x88x405	440x88x650***	
	Outlet	NEMA 120Vac	6 x 5-15R	2x5-15R + 2 x 5-20R	4x5-15R + 1xL5-30R
		IEC/Local 230Vac	6 x IEC320-C13		4 x IEC320-C13 & 1 x IEC320-C19
Environmental	Operating Temperature			0~40 °C	
	Noise Level			< 50dBA	
	Altitude			2000 m without de-rating	
	Humidity			0 to 90% (Without condensation)	
Interface	Interface Type			Standard RS232 and USB	
	Communication Slots			Relay Contact board, SNMP/WEB card	
	Compatible Platforms			Microsoft Windows series, Linux, Mac, etc.	
Standards and Certifications	Safety			EN62040-3 complied	
	EMC			EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A	
	Markings			CE, UL, cUL, FCC***	

*Specifications subject to change without notice. **Based on load percentage

***Different sizes available: 440*176*420mm

****Depending on the model and voltage, more information please contact with AblereX



Battery Bank

UPS model	Code	Bat. Type	Max. Quantity	Dimension (WxHxD mm)
MP 1KVA	C12M2U07	7AH	12	440x88x650
MP 2KVA	C12K2U07	7AH	12	440x88x650
MP 3KVA	C12K2U09	9AH	12	440x88x650
MP 1KVA	C12M2U07-C200 *	7AH	12	440x88x650
MP 2KVA	C12K2U07-C200 *	7AH	12	440x88x650
MP 3KVA	C12K2U09-C200 *	9AH	12	440x88x650
MP 1KVA (ODIN)	C12M4U07	7AH	12	440x176x425
MP 2KVA (ODIN)	C12K4U07	7AH	12	440x176x425
MP 3KVA (ODIN)	C12K4U09	9AH	12	440x176x425

* C200 means with 200W charger