

# // 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 Technology
- Matching Battery Cabinet
- Extended Runtime Capability
- Super Compact Convertible Design
- Powerful Built-in Charger
- Multi-Mode Operation



■ MP1000



■ MP2000



■ MP3000

## MS RT Pro 1-3K Specifications

Model	MP1000	MP2000	MP3000	
<b>Input</b>	Voltage	60/70/80~144 or 120/140/160~288Vac**		
	Frequency	50/60Hz ±5Hz (Auto Sensing)		
	Phase	Single + G		
	Power Factor	>0.99(Full Linear Load)		
<b>Output</b>	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		
	<b>Battery</b>	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%)		4 hours		
<b>Display</b>	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		
<b>Alarm</b>	Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions		
<b>Protection</b>	Overload Capacity	105% Continuous, 120% for 30 sec., 150% for 10 sec.		
	Short Circuit	Output Breaker/Electronic Circuit		
	EPO	Output Shutdown Immediately		
	Over Temperature	AC Mode: Switch to Bypass; Backup Mode: UPS Shutdown Immediately		
<b>Physical</b>	Dimensions (WxHxD, mm/inch)	440x88x405 / 17.3x3.5x16	440x88x650 / 17.3x3.5x25.6 440x176x420 / 17.3x6.92x16.5(ODIN)	
	Outlet	NEMA 120Vac	(6) NEMA 5-15R	(2) NEMA 5-15R + (2) NEMA 5-20R (4) NEMA 5-15R + (1) NEMA L5-30R
		IEC/Local 230Vac	(6) IEC320-C13 (4) IEC320-C13 & (1) IEC320-C19	
<b>Environmental</b>	Operating Temperature	0 to 40°C / 32 to 104 °F		
	Noise Level	< 50dBA		
	Altitude	1000m/3300ft without De-Rating		
	Humidity	0 to 90% (Without Condensation)		
<b>Interface</b>	Interface Type	Standard RS232 and USB		
	Communication Slot	Option: 2nd RS232, Dry Contact Relay, SNMP/Web Card		
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.		
<b>Standards and Certifications***</b>	Safety	EN62040-1, UL1778		
	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

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



## Battery Bank Specifications

UPS model	Code	Bat. Type	Max. Quantity	Dimensions (WxHxD, mm/inch)
MP 1KVA	C12M2U07	7AH	12	440x88x650 / 17.3x3.5x25.6
MP 2KVA	C12K2U07	7AH	12	440x88x650 / 17.3x3.5x25.6
MP 3KVA	C12K2U09	9AH	12	440x88x650 / 17.3x3.5x25.6
MP 1KVA	C12M2U07-C200 *	7AH	12	440x88x650 / 17.3x3.5x25.6
MP 2KVA	C12K2U07-C200 *	7AH	12	440x88x650 / 17.3x3.5x25.6
MP 3KVA	C12K2U09-C200 *	9AH	12	440x88x650 / 17.3x3.5x25.6
MP 1KVA (ODIN)	C12M4U07	7AH	12	440x176x405 / 17.3x6.92x16
MP 2KVA (ODIN)	C12K4U07	7AH	12	440x176x405 / 17.3x6.92x16
MP 3KVA (ODIN)	C12K4U09	9AH	12	440x176x405 / 17.3x6.92x16

\* C200 means with 200W charger