

# Mars RT Pro Series Convertible On-Line UPS

MP 1000VA~3000VA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- 0.8 Output Power Factor
- Rack/Tower Design
- Wide Input Voltage Range
- Active Harmonic Current Control
- LCD/LED Display
- Multiple Operation Mode Supported
- Remote Emergency Power Off (REPO)
- Programmable Outlets



■ MP1000



■ MP2000



■ MP3000

## Specifications

Model	MP1000		MP2000	MP3000
Input	Voltage60/70/80~144 or 120/140/160~288Vac**			
	Frequency50/60Hz ±5% (Auto Sensing)			
	PhaseSingle Phase with Ground			
	Power Factor>0.99(Full Linear Load)			
Output	Voltage100/110/115/120/127 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		
	Current Crest Ratio	3:1		
	Output Waveform	Pure Sine Wave		
	Transfer Time (AC to DC)	0 ms		
	Efficiency	88% (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	72Vdc
Recharge Time (to 90%)		3 hours		
Display	LED (Standard)	Normal, Battery, Bypass, Programmable Outlet 1, Programmable Outlet 2,		
	LCD (Option)	Self-Test, Battery Weak & Bad, Site Wiring Fault , Fault, Overload, and Load/Battery Level conditions.		
	Self-Diagnostics	Upon Power On and Software Control		
Alarms	Button	On button / Off button / Test / Alarm silence button		
	Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions		
Protection	Overload	105% continuous, 106%-120% for 30 sec. , 121%-150% for 10 sec.		
	Short Circuit	Output Breaker/Electronic Circuit		
	EPO	Output shutdown immediately		
	Over Temperature	AC Mode: Switch to Bypass ; Backup Mode: UPS shuts down immediately		
Physical	Dimensions	440x88x405 (2U)	440x88x650 / 17.5x3.5x25.6 (2U)	
	(WxDxH, mm/inch)	17.3x3.5x16 (2U)	440x176x405 / 17.3x6.9x16 (4U)	
	Outlet	120Vac6 x 5-15R	2x5-15R + 2 x 5-20R	4x5-15R + 1xL5-30R
		230Vac	6 x IEC320-C134 x IEC320-C13 & 1 x IEC320-C19	
Environmental	Operating Temperature	0~40°C / 32~104°F		
	Noise Level	< 50dBA		
	Altitude	1000m / 3280ft without Derating		
	Humidity	0 to 90% (Without condensation)		
Interface	Interface Type	Standard: RS232 / USB / Communication Slot		
	Communication Slot Option	Relay Contact board, SNMP/WEB card		
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.		
Standard and Certifications	Safety	IEC/EN 62040-1-1,UL1778,EN62040-3 complied		
	EMC	IEC/EN 62040-2 class A, FCC Part15 Subpart B ClassA,IEC/EN55011,CISPR 11, IEC 61000-4-2/-3/-4/-5,IEC61000-2-2 ,IEC 61000-3-2/-3		
	Markings	CE, UL, cUL, FCC***		

## Battery Bank Specifications

UPS model	Code	Bat. Type	Max. Quantities	Dimensions (HxWxD, mm/inch)
MP 1000VA	C12M2U07	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 2000VA	C12K2U07	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 3000VA	C12K2U09	9AH	12	88x440x650 / 3.4x17.3x25.6
MP 1000VA	C12M2U07-C200 *****	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 2000VA	C12K2U07-C200 *****	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 3000VA	C12K2U09-C200 *****	9AH	12	88x440x650 / 3.4x17.3x25.6
MP 1000VA (ODIN)	C12M4U07	7AH	12	176x440x425 / 6.9x17.3x16.7
MP 2000VA (ODIN)	C12K4U07	7AH	12	176x440x425 / 6.9x17.3x16.7
MP 3000VA (ODIN)	C12K4U09	9AH	12	176x440x425 / 6.9x17.3x16.7

\* Specifications subject to change without notices.

\*\* Based on load precentage.

\*\*\* Depending on the model and voltage, please contact Ablerex for more information.

\*\*\*\* The same technical specification may be sold in different countries under different model names, please consult Ablerex for more information.

\*\*\*\*\* C200 means with 200W charger.

