

Mars RT Pro Series Convertible On-Line UPS

MP 1KVA~3KVA



- 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

HELIOS
POWER SOLUTIONS



■ MP1000



■ MP2000



■ MP3000

Specifications

Model	MP1000	MP2000	MP3000		
Input	Voltage	60/70/80~144 or 120/140/160~288Vac**			
	Frequency	50/60Hz ±5% (Auto Sensing)			
	Phase	Single Phase with Ground			
	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			
	Current Crest Ratio	3:1			
	Output Waveform	Pure Sine Wave			
	Transfer Time (AC to DC)	0 ms			
	Efficiency	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	72Vdc	
Display	Recharge Time (to 90%)	3 hours			
	LED (Standard)	Normal, Battery, Bypass, Programmable Outlet 1, Programmable Outlet 2, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload, and Load/Battery Level conditions.			
	LCD (Option)				
	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, 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 shuts down immediately			
Physical	Dimensions (WxDxH, mm/inch)	440x88x405 (2U) 17.3x3.5x16 (2U)	440x88x650 / 17.5x3.5x25.6 (2U) 440x176x420 / 17.3x6.9x16.5 (4U)		
	Outlet	120Vac 230Vac	6 x 5-15R 6 x IEC320-C13	2x5-15R + 2 x 5-20R 4x5-15R + 1xL5-30R	4 x IEC320-C13 & 1 x IEC320-C19
	Operating Temperature	0~40 / 32~104			
Environmental	Noise Level	< 50dBA			
	Altitude	2000m/6500ft without de-rating			
	Humidity	20%~90%RH (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	EN62040-3 complied			
	EMC	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A			
	Markings	CE, UL, cUL, FCC***			

Battery Bank Specifications

UPS model	Code	Bat. Type	Max. Quantities	Dimensions (HxWxD, mm/inch)
MP 1KVA	C12M2U07	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 2KVA	C12K2U07	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 3KVA	C12K2U09	9AH	12	88x440x650 / 3.4x17.3x25.6
MP 1KVA	C12M2U07-C200 *****	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 2KVA	C12K2U07-C200 *****	7AH	12	88x440x650 / 3.4x17.3x25.6
MP 3KVA	C12K2U09-C200 *****	9AH	12	88x440x650 / 3.4x17.3x25.6
MP 1KVA (ODIN)	C12M4U07	7AH	12	176x440x425 / 6.9x17.3x16.7
MP 2KVA (ODIN)	C12K4U07	7AH	12	176x440x425 / 6.9x17.3x16.7
MP 3KVA (ODIN)	C12K4U09	9AH	12	176x440x425 / 6.9x17.3x16.7

* Specifications subject to change without notices.

** Based on load percentage.

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

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

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

