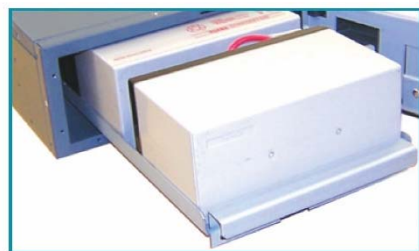


MP-RT series Online Double Conversion UPS

Rack-mountable or Tower



- Advanced digital control technology
- Wide input frequency & voltage windows
- Programmable receptacles
- Unity input power input
- Double conversion On-line technology
- Quick-glance LCD display
- Powerful built-in charger
- Hot swappable battery
- Communication capability via SNMP/web
- Simultaneous activation of RS232, USB, SNMP
- Customer options slot
- Emergency shutdown control through EPO
- Super compact convertible design
- Optional extended battery cabinet
- Optional external bypass switch
- Optional galvanic isolation transformer



Model	MP-RT 1000	MP-RT 2000	MP-RT 3000
Dimensions (H x W x D, mm)	2U, 88 x 440 x 405	4U, 176 x 440 x 520	4U, 176 x 440 x 520
Input connection	10A, IEC-320 C14	10A, IEC-320 C14	16A, IEC-320 C20
Outlets IEC-320	6 x C13	6 x C13	4 x C13, 1 x C19
Weight (kg)	15.7	29.4	29.7
Interface type	True RS232 & USB		
Communication slots	Web / SNMP slot, relay contact board, etc		
Safety standards	EN62040-1, UL1778		
EMC standards	EN62040-2, EN61000-3-2 & 3, FCC Class A		
Marks	CE, UL, cUL, FCC		

Technical Specifications:

Model	MP-RT 1000		MP-RT 2000	MP-RT 3000
INPUT				
Voltage	60/70/80-144 Vac or 120/140/160-288 Vac			
Frequency	50/60 +/-5Hz (Auto Sensing)			
Phase	Single			
Input Power Factor	>0.99 (Full Load)			
OUTPUT				
Voltage	100/110/115/120/127 Vac or 200/208/220/230/240 Vac			
Capacity	1000VA / 800W	2000VA / 1600W		3000VA / 2400W
Power Factor	0.8 Lagging to Unity within KW rating of unit			
Wave Form	Sine wave, TDH <=3 or 1Hz (Setting by Software)			
Frequency Stability	+/-0.1% unless synchronized to line			
Transfer Time	0 msec			
Crest Factor	3 : 1			
Efficiency (AC to AC)	>85%	>85%		>85%
Autonomy (Built-in Battery)	>7 min	>7 min		>5 min
DC Start	Yes			
BATTERY				
Type	Sealed Lead Acid Maintenance Free			
Quantity	3 pcs	6 pcs		6 pcs
Capacity	7AH	7AH		9AH
Voltage	36Vdc	72Vdc		72Vdc
Recharge Time	3 Hours to 90%			
Built-in Charger (Max. Chrg. Current)	~1.8A	~2.1A		~2.7A
DISPLAY				
LED	Normal, Battery, Bypass, Programmable Outlets1 / 2, Self-Test, Battery Weaks & Bad, Site Wiring Fault, Fault, Overload, and Load / Battery Level conditions			
Key	On button / Off button (Test / Alarm silence button)			
Self Diagnostics	Upon Power On and Software Control			
PROTECTION				
Overload	AC Mode	<105% continuously >106%-120% 30 sec	>221%-150% 10 sec >150% immediately	
	Backup Mode	<105% continuously >106%-120% for 250 sec shut down >121%-130% for 125 sec shut down >131%-135% for 50 sec shut down >136%-145% for 20 sec shut down	>146%-148% for 5 sec shut down >149%-157% for 2 sec shut down >158%-176% for 1 sec shut down >177%-187% for 0.32 sec shut down >188% for 0.16 sec shut down	
Short Circuit	Current limit with Electronic Protection			
Overheat	AC Mode: Switch to Bypass, Backup Mode:UPS shut down immediately			
Battery Low	Alarm and Switch Off			
EPO	UPS shuts down immediately			
Battery	Advanced Battery Discharge Management (ABDM)			
Noise Suppression	300 Joules (230V System)			
ALARM				
Audible and Visual	Utility Failure, Battery Low, Transfer to Bypass, System Fault Conditions			

Agent: