



Memopower MP Premium Convertible Rack/Tower Online Series

MPP RT 1k | MPP RT 2k | MPP RT 3k | MPP RT 5k | MPP RT 6k | MPP RT 10k

Memopower MP Premium UPS is an online double conversion convertible Rack/Tower series, which provides premium power outage protection, parallel redundancy with load sharing for 5k ~10k, 3.5" gravity-sensing color monitor LCD display, AC to AC efficiency up to 95.5%, power Shedding function, superior powerful charger, output power factor 1.0, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.

Features

- Backfeed Protection Circuit Integrated
- User-friendly 3.5" Display
- Support Multi-languages
- True On-line Double Conversion Rack/Tower Convertible
- Parallel Redundancy and Load Sharing for 6k/10k
- Up to 95.5% AC/AC efficiency
- Power Shedding Function
- Hot-swappable Battery
- External Battery cabinets with auto-detection
- Output Power Factor 1.0
- Wide Input voltage range for the harshest environment
- Support Generator Input
- Superior Powerful Charger for battery backup extension
- Matching Battery Pack
- Common Battery when UPS in Parallel Mode for 6k/10k
- Settable Charge Current for 5k~10k
- Optional Frequency Converter Mode Supported
- Emergency Power Off
- Cold Start Function is built-in
- Emergency Power off
- Support Megatec/ModBus Communication Protocol
- Bundled Communication Software supports windows Application, etc.

Online UPS 1K~10K HV Product Specifications

UPS MODEL	MPP RT 1K 24V	MPP RT 1K 36V	MPP RT 2K	MPP RT 3K	MPP RT 5K	MPP RT 6K	MPP RT 10K
GENERAL							
Capacity	1000VA/1000W	1000VA/1000W	2000VA/2000W	3000VA/3000W	5000VA/5000W	6000VA/6000W	10000VA/10000W
Input/Output Phase Configuration	1:1						
Topology	Double Conversion On-Line						
Cooling	Fan cooled						
Dimension W x D x H (mm)	440*325*86.5(2U)	440*460*86.5(2U)	440*460*86.5(2U)	440*671.5*86.5(2U)	440*671.5*131(3U)		
Net Weight (kgs)	12.3	16.6	21.26	24.34	19.5	17.5	20
Installation Type	Rack				Rack/Tower		
INPUT							
Nominal voltage	200/208/220/230(Default)/240Vac						
Input Voltage range	110-300Vac(176-294Vac @ 100% load)				40-70Hz		110-300Vac(176-276Vac @ 100% load)
Frequency Range							
Power Factor	>0.98(full load)						>0.99(full load)
Input Connection	IEC-C14 Socket		IEC-C20 Socket		Power cord connection input (L-S-30P)		Terminal(L+N+G)
OUTPUT							
Output Power	1000W	1000W	2000W	3000W	5000W	6000W	10000W
Power factor	1.0						
Output Waveform	Pure Sinewave						
On Line Efficiency (up to)	90%		92%		95.0%		95.5%
Economy mode efficiency	95%		96%		97.5%		98%
Output Voltage	220/230(default)/240Vac						
Voltage Regulation	± 1%						
Output Voltage Regulation (Dynamic)	± 5%						
Harmonic distortion(THDv)	< 3% (Full Linear load)						
	< 5% (Full nonlinear load)						
Output Frequency	50/60Hz ± 4Hz(Line mode) ; 50/60Hz(default) ± 0.1Hz(Battery mode)				50/60Hz ± 10%(Line mode);50/60Hz(default) ± 0.1Hz(Battery mode)		
Over Load Capability (Online mode)	105%-125%: UPS transfer to bypass after 1 minute when the utility is normal 125%-130%: UPS transfer to bypass after 30 seconds when the utility is normal >130%:UPS transfer to bypass after 0.2 second when the utility is normal				105%-110%: UPS transfer to bypass after 60 minutes when the utility is normal 110%-125%: UPS transfer to bypass after 10 minutes when the utility is normal 125%-150%: UPS transfer to bypass after 1 minute when the utility is normal >150%: UPS transfer to bypass after 0.2 second when the utility is normal		
Over Load Capability (Battery mode)	105%-125%: UPS after 1 minute shut down 125%-130%: UPS after 10 seconds shut down >130%: UPS after 0.2 second shut down				105%-110%: UPS after 10 minute shut down 110%-125%: UPS after 1 minute shut down 125%-150%: UPS after 10 second shut down >150%: UPS after 0.2 second shut down		
Over Load Capability (Bypass mode)	>200% after 5 minutes shut down				105%-130%: Only Overload alarm 130%-150%: UPS after 10 minute shut down 150%-200%: UPS after 1 minute shut down >200%: after 0.2 second shut down		
Current Crest Ratio	3:1						
Outlets - Total	8"C13		1"C19, 8"C13		Terminal (L+N+G)+IEC-320-C13*2+IEC-320-C19*2		
TRANSFER TIME							
AC mode <-> Batt. Mode	0 ms typical						
Inverter <-> bypass	4 ms typical						0 ms typical
BYPASS							
Voltage range	200/208/220Vac Max.voltage: +25%(optional +10%, +15%, +20%) 230Vac: Max.voltage: +20%(optional +10%, +15%) 240Vac: Max.voltage: +10%(optional +10%) Min. voltage: 45% (optional -10%, 20%, 30%)						
Frequency range	50/60Hz ± 4 Hz				50/60Hz ± 10%		
FCC Range	Rated Voltage +10%						
BATTERY							
Battery Type	internal VRLA(12V/6Ah)				external VRLA(12V/9Ah)		
Numbers	2 pcs	3 pcs	4 pcs	6 pcs	16/18/20		
Nominal DC Voltage	24Vdc	36Vdc	48Vdc	72Vdc	+90±108±120Vdc		
Charge Current(max.)	2A				12A		
Hot Swappable Y/N					Yes		
Ext. Battery Connector: Y/N	Optional				Yes		
Ext Battery Connector	SBS-50				GPS75 Black		
Communication Section and User Interface							
Control panel LCD(English+Language)+LED	Segment colorful screen				3.5 inch Color touch screen		
RS232 port					Yes		
USB port	Optional				Yes		
SNMP Skit					Yes		
Emergency Power Off (EPO)	Optional				Yes		
ENVIRONMENT							
Operating Temperature	0°C- 40°C						
Storage Temperature	-25°C~55°C (without batteries)						
Humidity range	0 - 95%RH @ 0°C-40°C (Non-condensing)						
Operating Altitude	0 - 1000 meters Normally operate, >1000 meters Derating						
Protection Class	IP20						
Noise level	≤55dB @ 1 meter				≤50dB @ 1 meter		
STANDARDS							
Safety	CB, IEC 62040-1:2013, CE-LVD, EN 62040-1:2008+A1:2013						
Environment	RoHS 2.0						
EMC	IEC 62040-2:2015, EN 62040-2:2018 C2						
OTHERS							
Generator Compatible	Yes						
Short Circuit	Hold Whole System						
Overheat	Line Mode: Switch to Bypass, Backup Mode: Shut down UPS immediately						
Low battery voltage	Alarm and Switch off						
EPO	Shut down UPS immediately						
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault						
Leakage current	≤3.5mA(comes with label)				≤3.5mA(comes with label)		
User Manual					English Language		
Parallel Operation Capability	NA				Yes		
ACCESSORIES							
RS232 cable	1pcs				Optional		
USB cable	NA				1pcs		
User manual					1pcs		
Mounting ears					1set		
Standing holders					1set		
Input cord	1 pcs				NA		
EBP MODEL							
Battery type	MPP BC24RT-9	MPP BC36RT-9	MPP BC48RT-9	MPP BC72RT-9	MPP BC240RT-9		MPP BC240RT-9
Battery quantity	12/9Ah	12/9Ah	12/9Ah	12/9Ah	12/7Ah	12/9Ah	
Dimension W x D x H (mm)	27*pcs	27*pcs	27*pcs	27*pcs	16 pcs	20pcs	
Net Weight (kgs)	440 x 430 x 86.5	440 x 430 x 86.5	440 x 550 x 86.5	440 x 710 x 86.5	440 x 666.5 x 131		440 x 666.5 x 131
	18.2	23.2	30	43	67.5		67.5



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