MP-SERIES

ON-LINE UPS 1KVA - 3KVA RT

Sleek in design, these true on-line UPS's provide the best protection for your expensive server room equipment. The double conversion technology makes this unit an excellent stabilizer for power. Pure sine wave is always provided, whether on the mains or battery. The standard unit comes with 10 minute internal batteries, alternatively, battery banks can be provided to supply up to 4 hours runtime. Designed for the server room environment, you will have to look far to find a better unit.



APPLICATION

PC's, Workstations, Network Centres, SOHO, Servers, Industry Equipment, Medical Equipment or Other Critical Systems

FEATURES

- Rack-tower convertible
- Two directions LCD display
- On-line double conversion
- Output power factor: 0.9
- Extended runtime with up to four extended battery modules
- Optimized battery configuration: 1KVA-24V, 2KVA-48V, 3KVA-72V
- Emergency shutdown through remote emergency power-off (EPO) port
- Three segment charging mode to increase battery service life and optimize recharge time
- Diverse options of accessories, intelligent management
- Intelligent slot - optional SNMP/dry contact board
- Input neutral and live wires reverse detection
- Economic operation mode (ECO)
- Wide input voltage range
- Self-testing on UPS start-up
- Cold Start (DC)
- Hot swappable battery pack
- Output bypass can be set
- Full digital control (DSP)



Why come to us for a solution?

Quality products

Wide range of products

Nationwide backup

Locally produced UPS's

Competitively priced

Unique design

Good value for money

24 hours after sales services



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MODEL	MP910RT	MP920RT	MP930RT	MP930RTS
CAPACITY	**1000VA/900W**	**2000VA/1800W**	**3000VA/2700W**	**3000VA/2700W**
INPUT				
VOLTAGE RANGE	200-290VAC at full load			
FREQUENCY RANGE	45-55Hz at 50Hz			
PHASE	Single phase with ground			
CURRENT THDI	<7%(100% nonlinear load)			
POWER FACTOR	>=0.98			
OUTPUT				
VOLTAGE	200/208/220/230/240VAC			
POWER FACTOR	0.9			
VOLTAGE REGULATION	±2%			
FREQUENCY	Line Mode: 46-54Hz at 50Hz	Battery Mode: 50Hz ±0.02Hz		
CURRENT CREST RATIO	3 : 1			
HARMONIC DISTORTION	<=3% THD(Linear Load), <=5% THD(Non-Linear Load)			
OUTPUT WAVEFORM	Pure Sinewave			
OUTLET	(IEC C13-10A)*6		(IEC C13-10A)*6 (IEC C19-16A)*1	
OVERLOAD CAPACITY	Line Mode: 30S at 100%-150% ;300ms at>150%		Battery Mode: 30S at 100%-150% ;300ms at >150%	
EFFICIENCY	AC Mode: Full load>=89%	Battery Mode: Full load>=84%	ECO Mode: Full load>=94%	
BATTERY				
NUMBER OF BATTERIES	2	4	6	
BATTERY TYPE	12V/9Ah			
BACKUP TIME	Estimated remaining time displayed on the LCD			
RECHARGE TIME(TO 90%)	5 Hours	5 Hours	5 Hours	
CHARGING CURRENT(MAX)	1.0A	1.0A	1.0A	
RATED BATTERY VOLTAGE	24Vdc	48Vdc	72Vdc	
CHARGE MODE	3-stage charging			
PROTECTION	Over-voltage / Over-current / Low-voltage			
BATTERY SOCKET	Anderson PowerPole Modular Connectors			
TRANSFER TIME	Mains to Battery: 0ms	Mains to Bypass: <4ms		
ECO MODE	yes			
INDICATOR				
LCD VERSION WITH LED	Load / Battery / Input / Output / Operating Mode Information			
BATTERY MODE	Audible alarm sounding every 4 seconds			
LOW BATTERY	Audible alarm sounding every second			
OVERLOAD	Audible alarm sounding twice every second			
FAULT	Audible alarm continuously Sounding			
PHYSICAL				
UNIT DIMENSION (W X D X H)	440 x 430 x 86.5mm (2U)	440 x 570 x 86.5mm (2U)	440 x 690 x 86.5mm (2U)	440 x 520 x 131mm (3U)
PACKAGE DIMENSION	560 x 556 x 205mm	605 x 710 x 205mm	605 x 828 x 205mm	607 x 654 x 210mm
NET/GROSS WEIGHT	13.8 / 17.2Kg	22.2 / 26Kg	29.3 / 34.4Kg	26 / 28.8Kg
ENVIRONMENT				
OPERATING ENVIRONMENT	0-40°C			
RELATIVE HUMIDITY	0-90%(non-condensing)			
ALTITUDE	＜1500m. when ＞1500m, derating			
NOISE LEVEL	<55dB at 1Meter			
INTERFACE				
SMART RS-232/USB	Software supports Windows Family, Linux, FreeBSD			
INTELLIGENT SLOT	SNMP(independent to RS232)			

In the interests of continuous product improvement, all specifications are subject to change without notice.

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ON-LINE UPS 1KVA - 3KVA RT

MODEL	BP-MP910RT	BP-MP920RT	BP-MP930RT	BP-MP930RTS
CAPACITY	**24VDC/9AH**	**48VDC/9AH**	**72VDC/9AH**	**72VDC/9AH**
CHARGER INPUT				
VOLTAGE RANGE	150-285VAC			
PHASE	Single phase with ground			
CHARGER OUTPUT				
OUTPUT VOLTAGE	27.5VDC ±0.4V	55VDC ±0.6V	82.5VDC ±0.9V	
CHARGE MODE	The constant voltage			
PHASE	Single phase with Battery ground			
BATTERY				
BATTERIES PER SET	2	4	6	
NUMBER OF SETS(MAX)	2	2	2	
BATTERY TYPE	12V/9AH			
BACKUP TIME	In accordance with the battery capacity and load			
RECHARGE TIME	In accordance with the battery capacity			
CHARGING CURRENT(MAX)	2.0A	2.0A	2.0A	
RATED BATTERY VOLTAGE	24Vdc	48Vdc	72Vdc	
CURRENT PROTECTION	60A fast fuse			
LEAKAGE CURRENT	<100uA			
PHYSICAL				
UNIT DIMENSION (W X D X H)	440 x 430 x 86.5mm	440 x 570 x 86.5mm	440 x 690 x 86.5mm	440 x 520 x 131mm
PACKAGE DIMENSION	560 x 556 x 205mm	605 x 710 x 205mm	605 x 828 x 205mm	607 x 654 x 210mm
NET/GROSS WEIGHT	18.5 / 21.9Kg	35.5 / 39.7Kg	39.1 / 43.6Kg	41 / 43.8Kg
ENVIRONMENT				
SAFETY	CB			
OPERATING ENVIRONMENT	0-40°C			
RELATIVE HUMIDITY	0-90%(non-condensing)			
NOISE LEVEL	<50dB at 1Meter			
I/O SOCKET				
INPUT SOCKET	IEC320 C13-10A	IEC320 C13-10A	IEC320 C13-10A	IEC320 C13-10A
AC POWER CORD	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A
BATTERY SOCKET	Anderson PowerPole Modular Connectors			

Notes:

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