

## MP4 Series High Performance Redundancy On-Line UPS 4500 ~ 10000VA

### Application

Small Office  
NAS system  
IT/Network Server  
Security Server

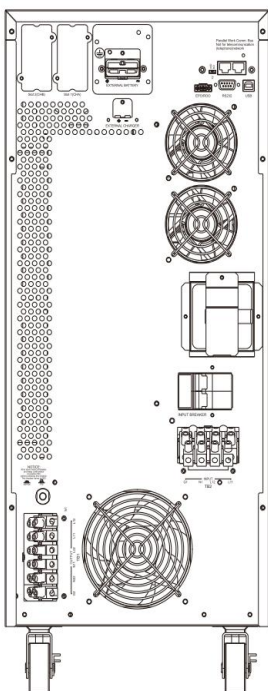
### Feature

True On-line Double Conversion Topology  
Full-time Digital Signal Processor Control  
1.0 Output Power Factor  
Multiple Operation Mode  
LCD Mimic Panel  
Remote Emergency Power Off (REPO)  
Power Range and Runtime Scalability  
Maintenance Bypass Switch Embedded  
Simple Parallel Installation  
Compact Design  
Patent Backup Runtime Estimation  
Flexible Battery Configuration  
Easy Battery Maintenance  
Generator Compatible  
Easy Firmware Flash Upgrade  
Output Galvanic Isolation Transformer (Option)

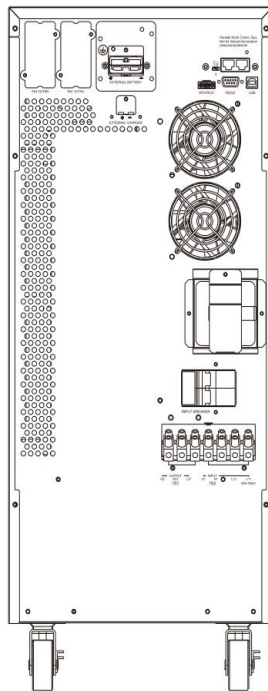


### Rear Panel

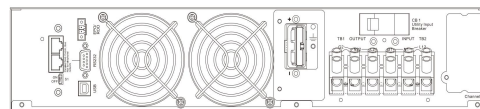
With Transformer Model



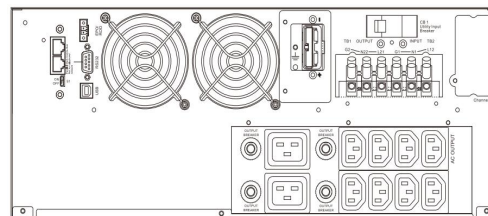
Without Transformer Model



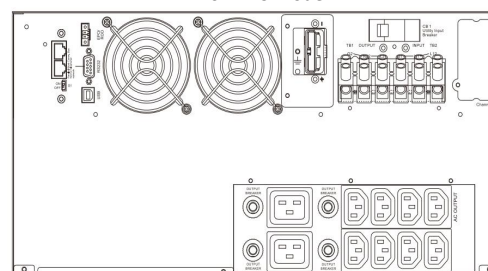
RT Model



6K RTC Model



10K RTC Model



# Specification

Model	Tower		MP4 4500	MP4 6000	MP4 8000	MP4 10000	
	RT		MP4 4500 RT	MP4 6000 RT	MP4 8000 RT	MP4 10000 RT	
INPUT	Voltage Range		110~280 ±5 Vac, Single Phase 2-Wire with PE 110~176 Vac with de-rating 50 ~100%				
	Frequency		40 - 70 Hz, 40 - 60Hz @50Hz or 50 - 70Hz@60Hz by auto-sensing				
	Phase (IN:OUT) and Wiring		1 : 1 / 2-wire + G				
	Power Factor		>0.99 (Full load)				
	Harmonic Distortion, iTHD		< 5% @Nominal Voltage (full load)				
OUTPUT	Capacity		4500VA	6000VA	8000VA	10000VA	
	W		4500W	6000W	8000W	10000W	
	Voltage		200/208/220/230/240 Vac, Rated 230V 200Vac with de-rating 80%				
	Voltage Regulation		±1%				
	Frequency		50 / 60 ±0.1Hz				
	Frequency Range (Synchronized Range)		±3Hz Low Sensitivity, 47~ 53Hz or 57 ~63Hz ±1Hz High Sensitivity, 49~ 51Hz or 59 ~61Hz				
	Crest Factor		3:1				
	Harmonic Distortion, vTHD		< 2% (Linear load)				
EFFICIENCY	Line mode (full charged battery)		Up to 94%		Up to 95%		
	Battery mode		Up to 94%		Up to 95%		
	ECO mode (full charged battery)		Up to 98%		Up to 98%		
BATTERY	Battery type		Lead-acid, VRLA 12Vdc				
	Numbers		20 / 18 / 16 PC				
	Battery Voltage		240 / 216 / 192 Vdc				
CHARGING	Charge Current	Standard	Up to 2A, adjustable				
		Optional	Up to 4A, adjustable				
	Charging Voltage		273Vdc ± 1%, Programmable Range 208~273Vdc				
Transfer time	AC to DC		0 ms				
Protection	Full Protection		Overload : Emergency Power-off, EPO: Output Short-circuit: OTP				
Physical	Dimensions W x H x D mm(in.)	RT PM model: mm( inch) Power Module only		440 x 88 x 700 (17.3 x 3.5 x 27.6)			
		RTC model: mm(inch)		440 x 176 x 700 (17.3 x 6.9 x 27.6)		440 x 220 x 700 (17.3 x 8.7 x 27.6)	
		Tower: mm(inch)		288 x 686 x 732 (11.3 x 27.0 x 28.8)			
	Net Weight kg(lb.)	RT PM model: kg( lb) Power Module only		16.2 (35.7)		18.2 (40.1)	
		RTC model:kg(lb)		54 (119), with Battery(5Ah) 18 (39.7), without Battery		74.5 (164.2), with Battery(9Ah) 22.5 (49.6), without Battery	
		Tower model	W/O TX	83.5 (184.1), with Battery(9Ah) 31.5 (69.4), without Battery		85.5 (188.5), with Battery(9Ah) 33.5 (73.8), without Battery	
W/ TX	116.5 (256.8), with Battery(9Ah) 64.5 (142.2), without Battery		131.5 (289.9), with Battery(9Ah) 79.5 (175.3), without Battery				
Interface	Standard		RS232, USB, EPO/ROO				
	Option		Slot Cards: SNMP, DCE, RS485 ; Battery Temp.-comp.				
	Compatible Platforms		Microsoft Windows series, Linux, Mac, etc.				
Environmental	Temperature	Operating	0°C ~ 40°C (32°F to 104°F)				
		Storage/non-operation	-10°C ~ 50°C (14°F to 122°F)				
	Relative Humidity		<95%RH @0°C ~ 40°C (non-condensing)				
	Ingress Protection Rating		IP20				
	Operating Elevation		0 to +2,000 m without derating of output power				
	Audible Noise		60 dB @1 Meter Fan Silent**: 34dB to 47dB(Line/ECO)/ 55dB(Backup)				
	Pollution Degree		2(non-conductive, temporary conductivity caused by condensation)				
	Overvoltage Category		CAT II				
Standards and Certifications	Safety		IEC/EN 62040-1, UL1778				
	EMC		EN IEC 62040-2:2018 C3, C2(option)****				
	FCC		FCC Part15 Class A				
	Markings		CE, UL/cUL				

\* 8/10K Model: 16PC-PF0.8, 18PC-PF0.9

\*\*Comfort Environmental(25 °C) & Normally Line or Battery Voltage Automatically.

\*\*\* The battery life will reduce when >25 °C(VRLA)

\*\*\*\*According to IEC 62040-2 regulations, Output power cords with a total length of up to 3 meters are exempt from testing for output surges.

\* Specifications subject to change without notice, and the final explanation rights are reserved by AblereX.

\*\* Based on load percentage.

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