MP-RT PLUS

DSP-CONTROLLED ON-LINE RACK TOWER UPS



1000VA ~ 3000VA

The MP-RT Plus series is a sleek double conversion online rack-tower convertible UPS with premium features including a wide input voltage window and extended runtime capability for critical applications for IT equipment, routers, point of sales and servers.

PERFECT FOR:

Routers | PC & Networks | Switches | IT loads & servers

FEATURES

- Online double conversion VFI protection from 1000VA to 3000VA
- Extreme battery lifetime thanks to:
  - Wide input voltage tolerance (110-300V)
  - Wide input frequency (44-66Hz)
  - Intelligent battery management
- Optimized Output Power Factor 0.9
- Cold start to activate loads without mains
- Multiple operation modes to maximize energy efficiency
- Strong overload capability to improve Circuit Breaker's selectivity
- Intuitive LCD interface provides clear information with easy to use navigation keys
- UPS management via RS232 port or USB port
- Multiple outlets types: IEC, Schuko, Universal for various output connection
- Firmware upgradeable for updates and customization

OPTIONS

- External Battery Connector for extended runtime capability
- External matching battery cabinet
- SNMP WiFi Card supports real-time UPS management and monitoring via TCP/IP (RJ45), WiFi connection and Cloud4UPS mobile APP.

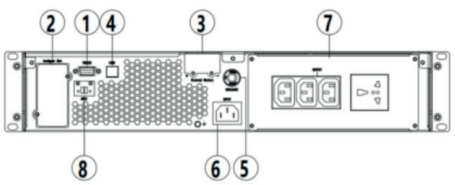


WHAT'S IN THE BOX

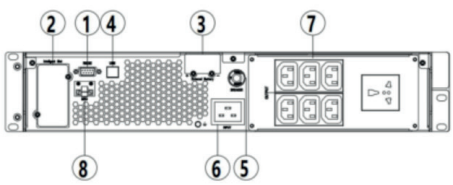
- Input power cable
- Output power cable (IEC C13 to IEC C14)
- Other Cables and Accessories are sold separately

BACK PANEL

MP-RT Plus 1000



MP-RT Plus 2000/MP-RT Plus 3000



1. RS232
2. Smart Slot
3. External battery port
4. USB
5. Input over current protection breaker
6. AC input
7. Output socket
8. EPO

SPECIFICATIONS

MODEL			MP-RT PLUS 1000	MP-RT PLUS 2000	MP-RT PLUS 3000
INPUT	Input Voltage		220/230/240Vac		
	Voltage Range*1		110~300Vac		
	Phase		Single Phase with Ground		
	Frequency Range		44~66Hz (Auto sensing)		
	Input Power Factor		>0.98 @ 100% linear load		
OUTPUT	Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
	Output Voltage		220/230/240Vac (Settable)		
	Output Power Factor		0.9		
	Output Voltage Distortion		<2% @ 100% Linear load <5% @ 100% non-linear load		
	Output Voltage Regulation		±1%		
	Frequency Range		50/60Hz ±0.1%		
	Crest Factor		3:1		
	Transfer Time (AC to DC)		0ms		
	Output Waveform		Pure Sine Wave		
EFFICIENCY	Line Mode		Up to 95%		
	Eco Mode		Up to 98%		
BATTERY*2	Type		Sealed Lead Acid Maintenance Free		
	Capacity		Standard 12V/7AH or 12V/9AH (Optional upon request)		
	Number of Battery		3	4	6
	Rated Battery Voltage		36Vdc	48Vdc	72Vdc
	Uptime with internal battery at 100% load*3		≥ 5min		
	Recharge Time (to 90%)		4~6 hours		
	External Battery Connection		Yes		
	Battery Bank	Code	UBR0636	UBR0848	UBR1272
		Max. Battery quantities	2 strings x 3 blocks	2 strings x 4 blocks	2 strings x 6 blocks
		Dimension (WxHxD, mm)	440 x 86 x 446	440 x 86 x 446	440 x 86 x 597
		Weight (kg)	24.0	28.0	41.0
FUNCTION	Multi-Mode		Normal/ECO		
	DC Start		Yes		
PHYSICAL	Dimension (WxHxD, mm)		440 x 86 x 369	440 x 86 x 450	440 x 86 x 564
	Net Weight (kg)		13.0	18.7	25.4
	Output Connections*4		3x IEC-C13 + 1x Universal	6x IEC-C13 + 1x Universal	6x IEC-C13 + 1x Universal
INTERFACE	Standard		RS-232 or USB		
	Option		SNMP card / Dry Contact card / RS485 card		
ENVIRONMENT	Operation Temperature		0~40°C		
	Operation Humidity		0%~90% (without condensing)		
	Altitude		1000m without derating		
	Noise Level		≤ 50dBA @ 1 meter front		
STANDARDS & CERTIFICATIONS	Safety & EMC, Performance		IEC/EN 62040-1, IEC/EN 62040-2		
	Marks		CE, TISI		

*Specifications subject to change without notice
*1) Based on load percentage.
*2) Ambient temperature for battery ≤ 25°C
*3) Battery capacity and configuration depends on the required uptime and load type.
*4) Other outlet types are available upon request.

Designed & Engineered by: Ablerex every moment counts