MP PLUS

DSP-CONTROLLED ON-LINE TOWER UPS



1000VA ~ 3000VA

The MP Plus series is a true online double conversion tower 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

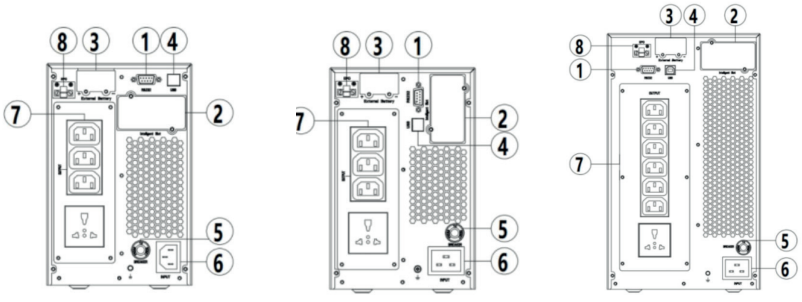
OPTIONS

- External Battery Connector for extended runtime capability
- External matching battery cabinet
- SNMP Card to support real-time and web monitoring via TCP/IP

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 Plus 1000 | MP Plus 2000 | MP 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 PLUS 1000	MP PLUS 2000	MP 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		>0.99 @ 100% linear load		
OUTPUT	Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
	Output Voltage		220/230/240 Vac (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	UB0636	UB0448	UB1272
		Max. Battery quantities	2 strings x 3 blocks	1 string x 4 blocks	2 strings x 6 blocks
		Dimension (WxDxH, mm)	145 x 413 x 224	145 x 413 x 224	191 x 417 x 322
		Weight (kg)	25.0	19.0	39.0
FUNCTION	Multi-Mode		Normal/ECO		
	DC Start		Yes		
PHYSICAL	Dimension (WxDxH, mm)		145 x 344 x 224	145 x 412 x 224	191 x 406 x 322
	Net Weight (kg)		11.0	16.3	27.0
	Output Connections*4		3x IEC-C13 + 1x Universal	3x 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 AND CERTIFICATIONS	Safety, EMC, Performance		IEC/EN 62040-1, IEC/EN 62040-2, IEC/EN 62040-3		
	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