



MEMO POWER IV

6kVA - 10kVA

True on-line UPS 1:1 phase

High output power factor 0.9 or 1 (Option)



TELE-COMMUNICATIONS DEVICES



LOCAL AREA NETWORKS (LAN)



E-BUSINESS (Servers Farms, ISP/ASP/POP)



SERVERS



CASH REGISTERS



EMERGENCY SECURITY



ELECTRO-MEDICAL DEVICES



- Blue LCD screen shows operation and electrical parameters;
- LED status indicators included.



Highlights

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- 3-level inverter topology, the efficiency can be up to 95.5%
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator compatible
- Supporting customized shared battery banks for parallel system (The battery banks should be configured with neutral line)
- Maximum charging current up to 15A
- Dual Intelligent card slot for touch screen version (Segment LCD optional)
- Cold start function
- Dry contact port optional (4 pins input and 4 pins output)
- Intelligent fan speed regulation
- Low noise design, less than 45dB for 6kVA
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

Your choice of power protection





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LED Display

~ Inverter LED (Green) ⊞ Bypass LED (Yellow)
 + Battery LED (Yellow) ⚠ Warning LED (Red)



LINE Messaging API

Send information in real time via LINE



UPS

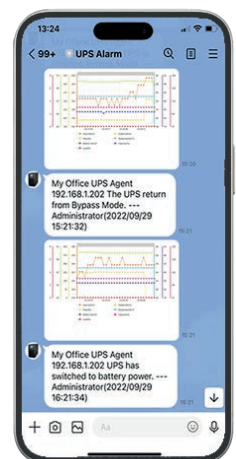
SNMP Card(option)

Internet/Sim Router(option)

Support Line Application

UPS Events

- Schedule Shutdown Event
- UPS Failure
- UPS entering Test mode
- UPS entering Sleeping mode
- UPS entering Boost mode
- UPS Load Overrun
- UPS Communication Lost
- Turn Off UPS
- AC Power Failed
- UPS Battery Low
- UPS Temperature Overrun
- UPS Capacity Underrun
- UPS entering Bypass mode



5 Kinds of LCD can be selected



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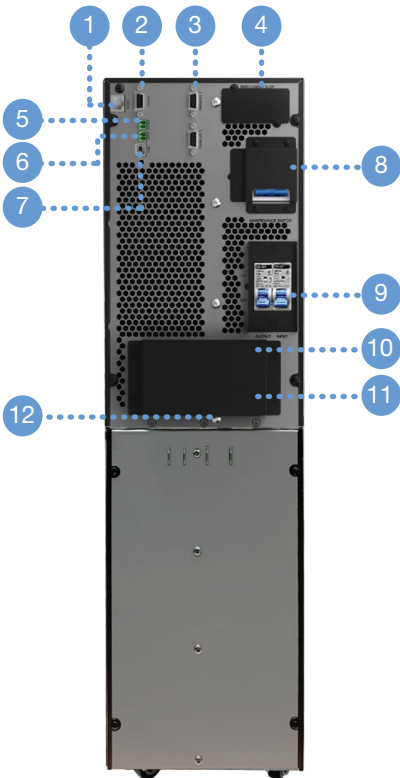
EMERGENCY SECURITY



ELECTRO-MEDICAL DEVICES



Front panel view 6-10KVA



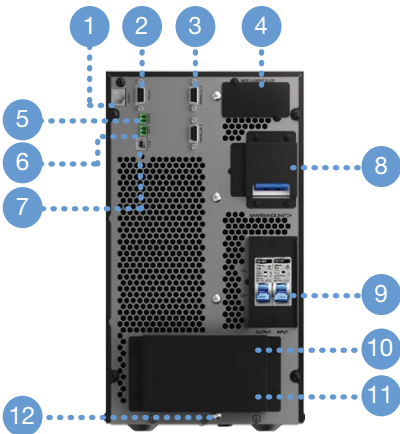
Rear panel view 6-10KVA

Rear panel view

- 1 RS-485 communication port
- 2 RS-232 communication port
- 3 Parallel 1 & Parallel 2 port
- 4 SNMP/Dry connect intelligent slot
- 5 MAINTAIN-AUXSWS port
- 6 EPO function connector
- 7 USB port
- 8 Manual bypass circuit breaker
- 9 Input/Output circuit breaker
- 10 Terminal : AC input/Output/Battery
- 11 External Connector Input/Output/Battery; Long backup time
Standard built-in battery 16/18/20 (Selectable)
Battery: (+),(N),(-),16/18/20 (Selectable)
- 12 Ground connector



Front panel view 6-10KVA (Long Backup)



Rear panel view 6-10KVA (Long Backup)



External Battery

Your choice of power protection



BCN UPS



@btconnect



BCN UPS



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ELECTRO-
MEDICAL
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MODEL		MP Pro 6K S	MP Pro 6K H	MP Pro 10K S	MP Pro 10K H
Capacity	VA	6kVA		10kVA	
	Watts (PF0.9)	5.4kW		9kW	
	Watts (PF1.0 option)	6kW		10kW	
Phase		Single phase & Ground (L, N, G)			
Input					
Nominal Voltage		208/220/230/240Vac			
Operating Voltage Range		110~300Vac(110~300Vac @ 50% load/176~300Vac @ 100% load)			
Frequency Range		40~70Hz			
Power Factor		≥ 0.99			
Bypass Voltage Range		208/220 Max.voltage: +25% (optional +10%,+15%,+20%); 230V Max.voltage: +20% (optional +10%,+15%); 240V Max.voltage: +15% (optional +10%); Min.voltage: -45% (optional -10%,-20%,-30%)			
Bypass frequency Range		40~70Hz			
Hamonic Distortion (THDi)		<2%			
Output					
Output Voltage		208/220/230/240Vac			
Power Factor		0.9 or 1 (Option)			
Voltage Regulation		±1%			
Frequency		50/60±10% (Line mode); 50/60 (Default)±0.1% (Battery mode)			
Crest Factor		3:1			
Harmonic Distortion (THDv)		<1% (Full linear load); <3% (Full nonlinear load)			
Transfer time		Mains to battery:0ms; Mains to bypass: 0ms			
Waveform		Pure sinewave			
Overload	Online Mode	105%~110%: 60 min; 110%~125%: 10 min; 125%~150%: 1 min; >150%: 0.5 sec			
	Battery Mode	105%~110%: 10 min; 110%~125%: 1 min; 125%~150%: 10 sec; >150%: 0.5 sec			
	Bypass Mode	105%~130%: Overload alarm; 130%~150%: 10 min; 150%~200%: 1 min; >200%: 0.5 sec			
		40A(Breaker)		63A(Breaker)	
EFFICIENCY					
AC Mode		>95.0%		>95.5%	
ECO Mode		>98.8%		>99.0%	
BATTERY					
Battery Type		VRLA (Lead acid maintenance free battery)			
Battery Voltage		192/240 (Default)	192 (Default)/216/240	192/240 (Default)	192 (Default)/216/240
Backup time		Backup time 15-60 mins Depend on load; Long run unit depends on the capacity of external batteries			
Typical recharging time(Standard mode)		6~8 hours (to 90% of full capacity)			
Charging current		1.35 Default (12/15 Optional)	12 (15 Optional)	1.35 Default (15 Optional)	15
		Charging current adapts to the battery type and battery capacity			
MANAGEMENT					
LED display		Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD display		Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/ discharging current, Ambient temperature & Remaining battery backup time			
ENVIRONMENT					
Operating tmeperature		0~40℃			
Storage temperature		-25℃-55℃			
Humidity range		0-95% (Non-condensing)			
Altitude		<1000, derating required between 1000 to 3000			
Noise Level		<45dB		<50dB	
PHYSICAL					
Dimension W x D x H (mm)		191×460×720 (With caster)	191×460×337	191×460×720 (With caster)	191×460×337
Net Weight (kg)		54	12.5	63	14
STANDARDS					
Safety		EN IEC 62040-1: 2019+A11:2021			
EMC		IEC 62040-2-2016, EN 62040-2-2018 C2			
Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021			

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with
ISO 9001, ISO 14001, ISO 45001, CE, STANDARD



TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2553

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