



MEMO TOWER III

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,
ERP/ASP/POP)



SERVERS



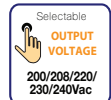
CASH
REGISTERS



EMERGENCY
SECURITY



ELECTRO-
MEDICAL
DEVICES



Highlights

- High frequency Technology
- True on-Line (Double Conversion)
- Wide input voltage range (120~276Vac)
- Input power factor 0.99 (With PFC)
- Output power factor 0.9 or 1 (Option)*
- Maximum charging current 12A (Long run unit)
- Design 2 operation mode
True on-line mode
ECO mode(Line Interactive)
- Cold start
- Eco mode available (ECO)
- Generator compatible
- Smart battery charging design for optimized battery performance
Optimization battery group, the quantity of battery: 16/18/20 pieces (Option)
- Self-testing when UPS startup
- Parallel up to 4 units
- SNMP/Relay card Parallel card (Option)

Patented mimic LCD display with multifunction

Parameter Settings

With mimic LCD display, it is easy to get all precious read-out data about the status of the UPS; besides, you may easily set various parameters from the screen.



* PF 1 (Option)

Your choice of power protection



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ELECTRO-MEDICAL DEVICES

LED ICON Display

Inverter LED (Green)
 Bypass LED (Yellow)

Battery LED (Yellow)
 Warning LED (Red)



Line App - Notification (option)

Send information in real time via LINE



UPS



SNMP Card(option)



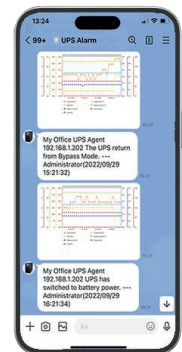
Internet/Sim Router(option)



Support Line Application

UPS Events

- The UPS incident scheduled shutdown events
- The UPS is fail
- The UPS has entered a test condition.
- The UPS has entered a shutdown state.
- The UPS has entered a voltage-enhanced state.
- The power consumption exceeds the coordinate of the UPS.
- Failed to communicate with the UPS.
- Power off the UPS.
- Power's out.
- The electrical capacity of the battery is low.
- The temperature of the UPS is too high.
- The power capacity of the UPS is low.
- The UPS has entered a Bypass state.



Operation Mode & Status



Inverter mode



Battery mode



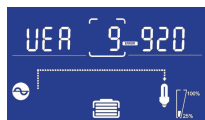
Frequency



Load



Low Battery



Fault



Environment Temperature



Frequency setting
(50 or 60Hz)

Setting Mode



Mode setting
(ECO or NOR(normal) or CF)



Output voltage setting
(200/208/220/230/240Vac)



Frequency setting
(50 or 60Hz)



Battery capacity setting
(1-200Ah)



Battery EOD voltage setting
(1.60/1.70/1.75/1.80V)



Bypass voltage
upper limit setting
(230-264Vac)



Bypass voltage
lower limit setting
(170-220Vac)



Mute setting
(ON or OFF)



Bypass enable/disable setting
(ON or OFF)



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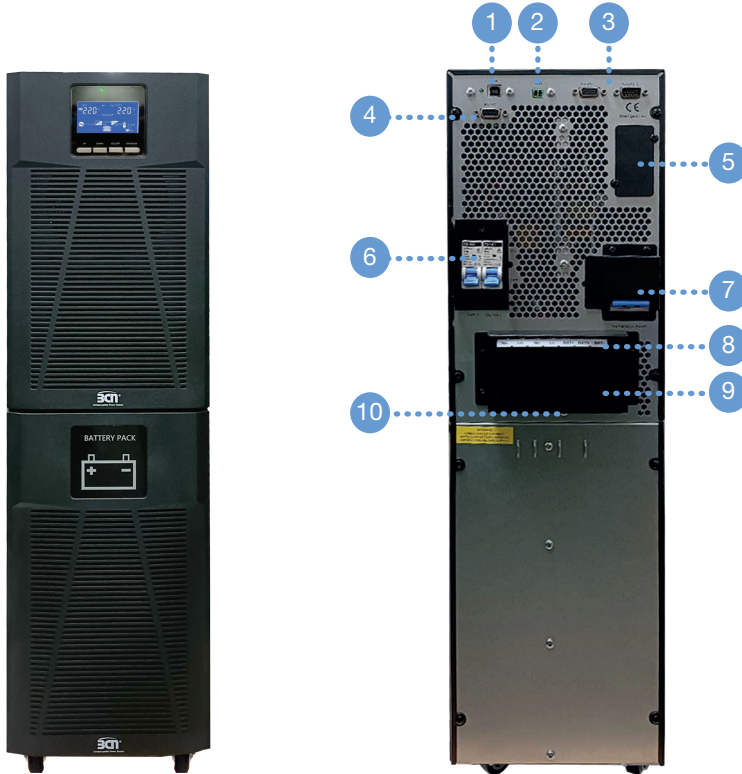


ELECTRO-MEDICAL DEVICES

bcn[®]
www.bcn-ups.com

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Rear panel view

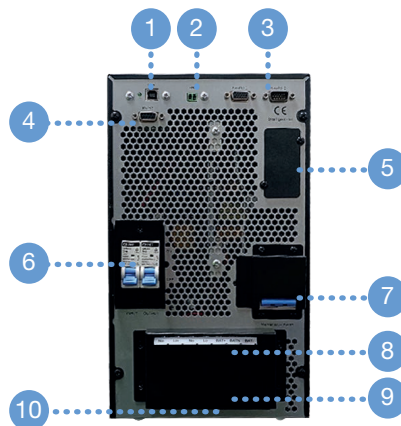
1. USB communication port
2. EPO function connector
3. Parallel port
4. RS-232 communication port
5. SNMP/Dry connect intelligent slot
6. Input/Output circuit breaker
7. Manual bypass circuit breaker
8. Terminal : AC input/Output/Battery
9. External Connector Input/Output/Battery; Long backup time
Standard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

Front panel view 6-10KVA



Front panel view 6-10KVA
(Long Backup)

Rear panel view 6-10KVA



Rear panel view 6-10KVA
(Long Backup)



External Battery

Your choice of power protection

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ELECTRO-MEDICAL DEVICES

MODEL		MP III 6K	MP III 6K (Long backup)	MP III 10K	MP III 10K (Long backup)
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		220/230/240Vac			
Operating Voltage Range		120~276Vac			
Frequency Range		50Hz:45~55Hz; 60Hz:54~66Hz(auto sensing)			
Power Factor		≥ 0.99			
Bypass Voltage Range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%); 230V:+20% (optional +10%,+15%); 240V: +15% (optional +10%); Min.voltage: -45% (optional -20%,-30%)			
Bypass frequency Range		Frequency protection range:±10%			
ECO Range		Same as the bypass			
Hamonic Distortion (THDi)		<3%(100% linear load)			
Generator input		Support			
Output					
Output Voltage		220/230/240Vac			
Power Factor		0.9 or 1 (Option)			
Voltage Regulation		±1%			
Frequency	Line mode	±1%/±2%±4%±5%±10% of the rated frequency(option)			
	Batt. mode	(50/60 ±0.1)Hz			
Crest Factor		3:1			
Harmonic Distortion (THDv)		≤2% THD (Linear load), ≤5% THD (Non-linear load)			
Waveform		Pure sinewave			
Efficiency		>92%		>93%	
BATTERY					
Battery Voltage		±96/±108/±120Vdc (option)			
Number		16/18/20 (option)			
Backup time		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		1A(Standard unit); Long run unit Max.current10A(charging current can be set according to battery capacity installed)			
SYSTEM FEATURES					
Transfer time		Mains to battery:0ms; Mains to bypass: 0ms			
Overload	Line Mode	Load≤110%:last 10min, ≤130%:last 1min, >130% turn to bypass mode immediately			
	Bypass Mode	40A(Breaker)			
Short circuit		Hold whole system			
Overheat		Line mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately			
Battery low		Alarm and switch off			
Self-diagnostics		Upon power on and software control			
Battery		Advanced battery management			
Audible & Visual alarms		Line failure, Battery low, Over load,System fault			
LED & LCD display		Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS fault			
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
Communication interface		RS232, UPB, SNMP card (optional), Parallel card(optional), Relay card (optional)			
PHYSICAL					
Dimension W x D x H (mm)		Standard model: 191*460*720; long run model: 191*405*330			
Net Weight (kg)		Standard model:60kg; long run model: 11kg		Standard model:61kg; long run model: 12kg	
ENVIRONMENT					
Operating tmeperature		0~40℃			
Storage temperature		-25℃~55℃			
Humidity range		0~95% (Non-condensing)			
Altitude		<1500m			
Noise Level		<55dB			
STANDARDS					
Safety		IEC/EN62040-1,IEC/EN60950-1			
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			



TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, STANDARD