



MEMO PLUS RT III

6kVA - 10kVA

True on-line UPS 3:1/1:1 phase
High output power factor 0.9 or 1 (Option)



TELECOM-
MUNICATIONS
DEVICES



LOCAL AREA
NETWORKS (LAN)



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



SERVERS



CASH
REGISTERS



EMERGENCY
SECURITY

Highlights

- Online double conversion with DSP control
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Input power factor 0.99 (With PFC)
- Input current harmonic: <3%
- Dual input source
- Output power factor 0.9 or 1 (Option)*
- LCD support Rack/Tower convertible Design
- Support 3:1 and 1:1 operation
- Generator compatible
- ECO mode operation for energy saving
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Optimization battery group, the quantity of battery: 16/18/20pcs (32-40pcs supportable)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: RS232/RS485/EPO/Output port/ Maintain-AUXSWS port (Reley card/ SNMP card/MBS optional)
- PDU module is optional



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.



The LCD Panel can be rotated



Rack Design



Tower Design

Your choice of power protection

* PF 1 (Option)

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TELECOMMUNICATIONS



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E-BUSINESS



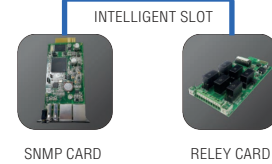
SERVERS



CASH REGISTERS



EMERGENCY SECURITY



SNMP CARD

RELEY CARD

MODEL		MP31 RT III 6k	MP31 RT III 10K
Capacity	VA	6kVA	10kVA
	Watts (PF0.9)	5.4kW	9kW
	Watts (PF1.0 option)	6kW	10kW
Input			
Nominal Voltage		380/400/415Vac or 220/230/240Vac	
Operating Voltage Range		380Vac+25% or 220Vac+25%	
Frequency Range		40~70Hz (50/60Hz 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 -10%,-20%,-30%)	
Hamonic Distortion (THDi)		≤3%(100% linear load)	
Frequency			
Frequency protection range		50/60Hz ±10%	
Output			
Output Voltage		220/230/240Vac (L+N+PE)	
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		up to 93.5%	
BATTERY			
Battery Voltage		±96/±108/±120Vdc (option)	
Number		16/18/20 (option)	
Backup time		10 minute (Full load)	
Typical recharging time(Standard mode)		6~8 hours (to 90% of full capacity)	
Charging current		12A Max.	14A Max.
SYSTEM FEATURES			
Transfer time		Mains to battery:0ms; Mains to bypass: 0ms	
Overload	Line Mode	Load≤110%:last 60min, ≤125%:last 10min, >150%:last 1min;≥ 150% turn to bypass mode immediately	
	Bat. Mode	Load≤110%:last 10min, ≤125%:last 1min, >150%:last 5s;≥ 150% shut down UPS immediately	
	Bypass Mode	Breaker (Load<125%,long-term operation)	
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)		443 x 580 x 131 (3U)	
Net Weight (kg)		27	28
ENVIRONMENT			
Operating tmperature		0~40℃	
Storage temperature		-25℃-55℃	
Humidity range		0~95% (Non-condensing)	
Altitude		<1500m, derating required when>1500m	
Noise Level		<53dB at 1 Meter	<55dBat 1 Meter
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN62477-1	
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