

MEMOPOWER RT 1:1 SERIES

6~10kVA

1:1 Phase PF:0.9



Features

- Online-Double conversion
- Non Transfer Time of output
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 120~276Vac
- Wide input frequency range: 45~55Hz/54~66Hz \pm 0.5Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic bypass
- DC start
- Communication port: RS232 , USB
- Options: SNMP card / Relay card



The LCD panel can be rotated



Control Panel



Battery Cabinets
(Optional)

Technical Specifications:

MODEL		MP RT 6KVA	MP RT 10KVA
Capacity (VA/Watts)		6k / 5.4k	10k / 9k
INPUT			
Nominal voltage		220/230/240Vac(L+N+PE)	
Operating voltage range		120~276Vac	
Operating frequency range		45~55Hz/54~66Hz ± 0.5Hz	
Power factor		≥ 0.99	
Bypass voltage range		220V: +25%(optional +10%,+15%,+20%) 230: +20% (optional +10%,+15%) 240: +15% (optional +10%) Min. voltage: -45% (optional -20%,-30%)	
ECO range		Same as bypass	
Bypass frequency range		Frequency protection range: ± 10%	
Harmonic distortion (THDi)		≤ 3%(100% linear load)	
Generator input		Support	
OUTPUT			
Output voltage		220/230/240Vac	
Power factor		0.9	
Voltage regulation		± 2%	
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)	
	Bat. Mode	50/60 (± 0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤ 2% with linear load ≤ 5% with non linear load	
Waveform		Pure Sinewave	
Efficiency		>93.5%	
BATTERY			
Battery voltage		Optional Voltage: ± 96/ ± 108/ ± 120Vdc	
Typical recharge time		6~8 hours (to 90% of full capacity)	
Back up time		Long run unit depends on the capacity of external batteries Estimated remaining time displayed on the LDC	
Charge current		Maximum Current 10A; charge current can be set according to battery capacity installed.	
SYSTEM FEATURES			
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms	
Overload	Line Mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1S; >150% turn to bypass mode	
	Bypass Mode	40A(Input breaker)	60A(Input breaker)
Short Circuit		Hold Whole System	
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage		Alarm and Switch off	
Self-diagnostics		Upon Power On and Software Control	
EPO (optional)		Shut down UPS immediately	
Battery		Advanced Battery Management	
Noise Suppression		Complies with EN62040-2	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
Status LED & LCD display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault	
Reading on the LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Communication interface		USB,RS232, Parallel Port, SNMPcard/Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0 ~ 40℃	
Storage temperature		-25 ~ 55℃	
Humidity range		0 ~ 95% (non condensing)	
Altitude		<1500m	
Noise level		<55dB	
PHYSICAL			
Dimension W × H × D (mm)		443 × 131 × 580(3U)	
Net Weight (kg)		23	25
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	
BATTERY BANK			
Model		MP-BR Battery Bank Series	
Battery type& Max.quantity		7Ah × 20	9Ah × 20
PHYSICAL OF BATTERY BANK			
Dimensions D × W × H (mm)		720 × 443 × 131(3U)	
Net weight (kg)		56	62

Specifications are subject to change without prior notice.