



The Memopower Plus III Convertible Parallel Redundancy on-line UPS series, featured with up to 93.5% efficiency, rack/tower convertible, N+X Parallel Redundancy, DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, ECO mode, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.

Features

- Rack/Tower Convertible
- Graphic LCD Display with Multifunction Parameter Settings & Mimic Diagram
- Hot Swappable Battery
- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- High Output Power Factor at 1.0PF
- Low Input Current Distortion
- Green Concept design with Superior Input Voltage Window for Energy Saving
- Efficiency up to 93.5%
- Emergency Power Off
- Support Economic(ECO) Operation Mode
- Settable Battery Voltage
- Temperature-controlled Fan
- Matching Battery Pack
- Common Battery When UPS in Parallel Mode
- Versatile Communication Interfaces Available
- Cold Start
- Communication Software
- Settable Charge Current
- Optional Frequency Converter Mode Supported
- Transformer Module for Galvanic Isolation

Memopower Plus III Convertible Parallel Redundancy Online UPS Series

RTIII 6K | RTIII 10K

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UPS Module		
MODEL	RT III 6K	RT III 10K
Capacity (VA/Watts)	6KVA/6KW	10KVA/10KW
INPUT		
Nominal Voltage	208/220/230/240Vac	
Operating Voltage Range	110-300Vac	
Operating Frequency Range	45~55Hz/54~66Hz	
Power Factor	≥ 0.99 @Nominal voltage(100% load)	
Bypass Voltage Range	220Vac max : 10% , 15% , 20% or 25% , default : 25% 230Vac max : 10% , 15% or 20% , default +20% 240Vac max : +10% or 15% , default +15%	
Bypass Frequency Range	±1% , ±2% , ±4% , ±5% , ±10%	
ECO Range	Same as the bypass	
Harmonic Distortion(THDi)	≤3%(100% Linear load);≤5%(100% non linear load)	
Generator Input	Support	
OUTPUT		
Rated Voltage	208/220/230/240VAC	
Power Factor	1.0	
Voltage Regulation	±1%	
Frequency	Line Mode	Synchronize to Mains
	Bat.Mode	(50/60±0.1%)Hz
Crest factor	3:1	
Harmonic Distortion(THDv)	≤3% With linear load; ≤5% With non-linear load	
Efficiency	>93.5%	
BATTERY		
Battery Voltage	±96/±108/±120Vdc	
Capacity(Standard Unit)	12V/5Ah or 12V/7Ah or 12V/9Ah	
Typical Recharging Time	6-8 hours recover to 90% of full capacity	
Charging Current	1A(Standard Unit);Max.Current10A(Long run unit);(Charging current can be set according to battey capacity installed)	
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%: last 200ms turn to bypass mode immediately
	Bypass Mode	40A(Breaker) 63A(Breaker)
Short Circuit	Hold whole system	
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,Overload,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, ect.	
Communication Interface	RS232,USB,Parallel card, EPO and communication slot for optional SNMP card, Relay contact card or Modbus card	
ENVIRONMENT		
Operating Temperature	0°C-40°C	
Storage Temperature	25°C-55°C	
Humidity Range	0-95%(non-condensing)	
Altitude	<1500m	
Noise Level	<55db at 1 meter	
PHYSICAL		
Dimension W*H*D(mm)	440*88*585	
Net Weight(kg)	14	18
STANDARDS		
Safety	IEC/EN 62040-1, IEC/EN 60950-1	
EMC	IEC/EN 62040-2, IEC61000-4-2,IEC61000-4-3, IEC61000-4-4,IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	

Battery Module				
MODEL	Dimension (WxHxD)	N.W.	G.W.	Remarks
RTIII-BR16005X	440*88*585	8.9	11	Non-hotswappable
RTIII-BR20007/009	440*131*585	12	15	hotswappable

Transformer Module for Galvanic Isolation				
MODEL	RTIII6K-XFR	RTIII10K-XFR		
Topology	Isolation,Step Down Transformer, Sine Wave			
I/P	Frequency / Voltage	1φ2W+G, 220/230VAC, 50/60Hz		
	Current(Max)	24.5Amps(220/230Vac)	40Amps(220/230Vac)	
O/P	Frequency / Voltage	220/230Vac		
	Power(Max)	6KVA/6KW	10KVA/10KW	
	Efficiency	> 95%		
	Waveform Type	True Sine Wave		
PHYSICAL				
Dimension WxHxD (mm)	440*86.5*685	443*131*677		
Net Weight (kg)	46.5	74		

Specifications subject to change without prior notice.



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