The Memopower Plus Green Convertible double conversion true on-line series, featured with DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, estimated remaining time, ECO mode, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical systems, which is demanding for a thorough protection.

Features

- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Simply Pushing Front Button
- True Online Double Conversion with DSP Control
- High Output Power Factor at 0.9PF
- Low Input Current Distortion
- Green Concept Design with Superior Input Voltage Window for Energy Saving

- Support Generator Input
- Estimated Remaining Time displayed on the LCD.
- Support Economic (ECO) Operation Mode
- Matching Battery Pack
- Optional Powerful Charger
- Cold Start
- Power Shedding May Turn Off Uncritical Load in Battery Backup

Memopower Plus
Green Convertible UPS Series

MP9101-RT | **MP9102-RT** | **MP9103-RT**

Memopower Plus Green Convertible UPS Series

	Model	MP9101-RT	MP9102-RT	MP9103-RT
	Capacity (VA/W)	1000VA/900W	2000VA/1800W	3000VA/2700W
Input	Phase	Single phase & Ground		
	Rated Voltage	200/208/220/230/240VAC		
	Voltage Range	110-290V*		
	Frequency Range	45Hz-65Hz(auto-detect)		
	Power Factor	≥0.98		
	Current THDi	<7% at 100% non-linear load		
	Bypass Voltage Range	Max.voltage: +15%(optional +5%、 +10%、 +25%) Min. voltage: -45% (optional -20%、 -30%) Frequency protection range: ±10%		
	ECO Range	same as the bypass		
	Generator Input	Support		
Output	Phase	Single phase & Ground		
	Rated Voltage	200/208/220/230/240VAC		
	Power Factor	0.9		
	Voltage Regulation	±2%		
	Frequency — Utility Mode	50Hz or 60Hz(Synchronized to Mains)		
	Frequency — Battery Mode	50/60Hz±0.02Hz		
	Crest Factor	3:1		
	THD	≤3% with linear load ≤5% with non linear load		
	Waveform	Pure Sinewave		
Efficiency	AC Mode(full load)	up to 89%	up to 90%	
	ECO Mode(full load)	>94%		
Battery	Voltage	36Vdc	72Vdc	72Vdc
	Capacity(standard unit)	12V/7AH		12V/9AH
	Backup Time	Full load>=3~5 minutes; Estimated remaining time displayed on the LCD		
	Recharge time to 90%	5 hours		
	Charging Current	1A		
	Battery Socket	Anderson like PowerPole Modular Connectors		
Transfer Time		Utility to Battery : 0ms; Utility to bypass< 4ms		
Protection	Overload — AC Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely		
	Overload — Bat. Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely		
	Overload — Bypass Mode	Load > 130%: 60S then shut down output		
	Short Circuit	Hold Whole System		
	Overheat	Line Mode: Switch to Bypass; Battery Mode: shut down UPS immediately		
	Battery Low	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		
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault		
Display	Status LED & LCD	Line Mode, Backup Mode, ECO Mode, Bypass Mode, Battery Low, Battery Bad, Overload and UPS Fault.		
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time		
Physical	Dimension(WxHxD)mm	440x86.5x410	440x86.5x620	
	Weight (Kg)	12	22	26.6
	Input Connection	IEC320 C14-10A	IEC320-C20-16A	IEC320-C20-16A
	Output Connection	IEC320 C13-10A x 6	IEC C13-10A x 8	IEC320 C13-10A x 8 & C19-16A x 1
	External Battery Connection	Anderson like PowerPole Modular Connectors		
Communication Interface	Smart RS232/USB Port	Supports Windows Family, Linux, FreeDSB, etc.		
	Communication Slot	SNMP Card, Dry Contact Card, etc. .		
	RJ45	Built-in Power Surge, Lightning Protection Device		
Environment	Operating Temperature	0℃～40℃		
	Storage Temperature	-25℃～+55℃		
	Humidity	0～95% non condensing		
	Altitude	< 1500m.(derating while > 1500m)		
	Noise	<50dB(at 1 meter)		
Safety Conformance		CE, CB		

BATTERY BANK				
	Model	MP-BR06007	MP-BR12007	MP-BR12009
	Bat.Type	7AH	7AH	9AH
	Bat. DC Voltage	36Vdc	72Vdc	72Vdc
	Max.Quantity	6pcs	12pcs	12pcs
	Max. Charge Current	2A		
Physical	Unit Dimensions WxHxD (mm)	440x86.5x410	440x86.5x620	
	Weight (Kg)	16.2	29.4	33

* 110-160V at < 30%;160-200V at <80% load; 200-290V at 100% load.

Specifications subject to change without prior notice.

KSTAR