

KSTAR



MEMOPOWER-III Series
1kVA~3kVA 120V

MEMOPOWER-III Series

1:1 Phase PF 0.9

Power range: 1kVA ~ 3kVA



Features

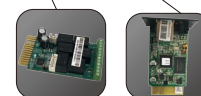
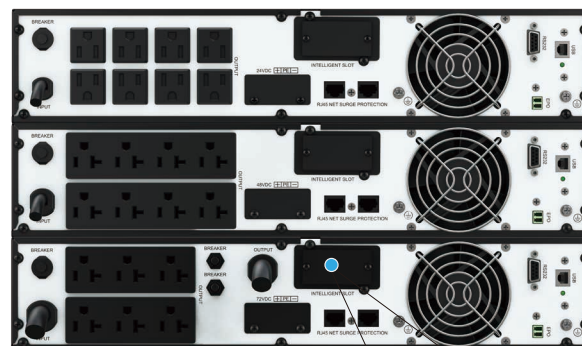
- Rack/Tower convertible design
- Online double conversion with full digital control
- Input power factor 0.99 with PFC
- Selectable output voltage: 100/110/115/120/125 Vac
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Programmable receptacles optional
- Versatile LCD human-computer interface, 3.5inch touch screen optional
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Pass the safety certification standard UL1778
- Meet DOE/Energy Star 2.0 standard



Multifunctional bracket



The LCD panel can be rotated (Touch screen is gravity sensing)



Dry contact card SNMP card

Technical Specifications:

MODEL	MP RT 1k S		MP RT 1.5k S		MP RT 2k S		MP RT 3k S	
Capacity	1000VA/900W	1000VA/1000W	1500VA/1350W		2000VA/1800W		3000VA/2700W	
INPUT								
Nominal voltage	100/110/115/120/125 Vac							
Input voltage range	55~150 Vac (90~150Vac @ 100% load)							
Power factor	> 0.99 (Full load)							
Input connection	NEMA 5-15P				NEMA 5-20P		NEMA L5-30P	
Cord length	1.8m							
FREQUENCY								
Frequency range	40~70Hz (50/60Hz Auto-Sensing)							
OUTPUT								
Output voltage	100/110/115/120/125 Vac							
Voltage regulation	± 1%							
Power factor	0.9	1.0			0.9			
Output frequency	Line mode	46~54Hz/56~64Hz, synchronize with input						
	Batt. mode	50/60Hz ± 0.02Hz						
Crest factor	3:1							
Harmonic distortion (THDv)	2% Full linear load							
	4% Full non-linear load				5% Full non-linear load			
Transfer time	AC mode to Batt. mode	0ms						
	Inverter to Bypass	4ms (Typical)						
Output waveform	Pure Sinewave							
Output receptacles	Programmable (Optional)	5-15R × 4		5-20R × 4		5-20R × 3		
	Non-programmable	5-15R × 4		L5-20R × 1 (Optional) + 5-20R × 4		L5-30R × 1 + 5-20R × 3		
EFFICIENCY								
AC mode	91%		91%		92%		92%	
ECO mode	95%		95%		96%		96.5%	
BATTERY								
Battery number	2	3	3	4	4	6	6	
Battery capacity	9Ah/12V							
Typical recharging time	4hours (To 90% of full capacity)							
Charging voltage	27.14 Vdc ± 1%	41.1 Vdc ± 1%		54.8 Vdc ± 1%		82.2 Vdc ± 1%		
Charging current (Max.)	2A							
INDICATORS								
LED / LCD display	Line mode, Batt.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault							
ALARM								
Battery mode	Beeping every 4 seconds							
Battery low	Beeping every second							
Overload	Beeping twice every second							
Fault	Continuously beeping							
PHYSICAL								
Dimension W × D × H	440 × 325 × 86.5mm	440 × 460 × 86.5mm		440 × 500 × 86.5mm		440 × 640 × 86.5mm		
Net weight	14kg	16.5kg	17kg	19.5kg	21kg	26.7kg	27kg	
ENVIRONMENT								
Operating temperature	0~40 °C							
Storage temperature	- 25°C ~ 55°C (Without batteries)							
Humidity range	0~95% (Non - condensing)							
Altitude	0~3000 (1000~3000 derating required)							
Noise level	≤45dB				≤50dB			
STANDARDS								
Safety	UL1778 5th Edition CSA C22.2 NO.107.3-14							
FCC	FCC Part 15, Subpart B, ClassB ANSI C63.4-2014				FCC Part 15, Subpart B, ClassA ANSI C63.4-2014			
Energy saving	Energy Star 2.0							
Transportation	ISTA Procedure 2A							

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

Compliance model:

MP RT 1k S 2B/MP RT 1k S 3B

MP RT 1.5k S 3B/MP RT 1.5k S 4B

MP RT 2k S 4B/MP RT 2k S 6B/MP RT 2k S 4BW/MP RT 2k S 6BW

MP RT 3k S 6B

MP BR 1–3kVA battery pack specification

MODEL	MP BR04024	MP BR06036	MP BR08048	MP BR12072
BATTERY SYSTEM				
Battery type	VRLA (Lead acid maintenance free battery)			
Typical battery recharging time	6~8 hours (To 90% of full capacity)			
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature			
System voltage	24Vdc	36Vdc	48Vdc	72Vdc
Charging current (Max.)	1.4A			
Battery quantity	4	6	8	12
Capacity	9Ah/12V (7Ah/12V optional)			
PHYSICAL				
Dimension W × D × H (mm)	440 × 430 × 86.5		440 × 550 × 86.5	440 × 710 × 86.5
Net weight (kg)	17.4	22.5	31.5	44
ENVIRONMENT				
Operating environment	0°C ~ 40°C			
Relative humidity	0 ~ 95% (Non condensing)			
Noise level	< 40dB at 1 Meter			
STANDARDS				
Safety	UL1778 5th Edition CSA C22.2 NO.107.3-14			

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Remark: MP BR08048 "MP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage.

KSTAR

Website: www.kstar.com

CONTACT

Tel: +86-755-86169858

Fax: +86-755-86168482

E-mail: sales@kstar.com

HEADQUARTERS

Add: 4/F, No.1 Bldg. Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

FACTORIES ADDRESS

Add: Kstar Industrial Park, Guangming Hi-Tech Industrial Zone, Shenzhen, P.R.China

Add: Kstar Industrial Park, Fumin Industrial Zone, Guanlan Town, Shenzhen, P.R.China

Add: Kstar Industrial Park, Zhongkai Hi-Tech Industrial Zone, Huizhou, P.R. China

Add: CATL-KSTAR, XiaPu Economic Development Zone, FuJian, P.R. China

Add: Kstar Industrial Park, Yifeng County Industrial Park, Yichun, Jiangxi, P.R. China

Add: Kstar (Vietnam) Co., Ltd, in Anyang County, Haiphong City, Vietnam