

KSTAR



MEMOPOWER RT - III Li Series
1kVA~3kVA

1:1 Phase PF 1.0

Power range: 1kVA ~ 3kVA



Features

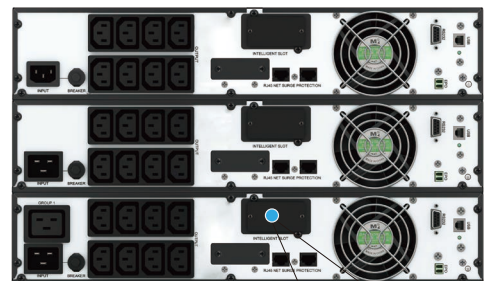
- Rack/Tower convertible design
- Online double conversion with full digital control
- Built-in lithium battery with more than 2000 times cycle life
- Reliable BMS protection
- Wide input voltage range: 110 ~ 300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- 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/Dry contact card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)
- IEC 62133 (Cell)/IEC 62619 (Pack)/UN 38.3 (Transportation) certificate



Multifunctional bracket



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



Optional socket



Dry contact card



SNMP

Technical Specifications:

MODEL	MP RT 1k S Li	MP RT 1.5k S Li	MP RT 2k S Li	MP RT 3k S Li
Capacity	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110 ~ 300Vac (176 ~ 264Vac @ 100% load)			
Power factor	≥0.99			
FREQUENCY				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)			
OUTPUT				
Output voltage	208/220/230/240Vac			
Voltage regulation	± 1%			
Power factor	1.0			
Output frequency	Line mode	46~54Hz/56~64Hz, synchronize with input		
	Batt. mode	50/60 ± 0.1Hz		
Crest factor	3:1			
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load			
Transfer time	AC mode to Batt.mode	0ms		
	Inverter to Bypass	4ms (Typical)		
Output waveform	Pure Sinewave			
EFFICIENCY				
AC mode	90.5%	91%	92%	92%
ECO mode	95%	95%	96%	96.5%
BATTERY				
Battery type	LiFePO ₄			
Backup time (Full load)	9 mins	7 mins	9 mins	9 mins
Battery voltage	25.6Vdc	48Vdc	76.8Vdc	76.8Vdc
Charge current (Max.)	2A			
INDICATORS				
LED/LCD display	Line mode, Bat.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	10kg	13.5kg	16.5kg	23kg
ENVIRONMENT				
Operating temperature	0°C ~ 40°C			
Humidity range	0 ~ 95%RH (Non condensing)			
Altitude	0~3000m (1000~3000 derating required)			
Noise level	< 50dB		< 55dB	
STANDARDS				
Safety	IEC/EN 62040-1, IEC/EN 62477-1, IEC 62133 (Cell), IEC 62619 (Pack)			
EMC	IEC/EN 62040-2			
Transportation	UN38.3			

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
3. When output voltage is 208Vac, need to derate to 80% of the unit capacity



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Add: CATL-KSTAR Science and Technology Co., Ltd
Add: Jiangxi Changxin Golden Sunshine Power Co., Ltd.
Add: Jiangsu Kstar Energy Technology Co., LTD
Add: KSTAR (Vietnam) Co., Ltd.