CARANX
ENERGY SOLUTIONS

16:45
Mittwoch, 20. Februar

MEMOPOWER RT
SERIES
1 ~ 3 kVA
1:1 Phase   PF 0.8

Product Features

- Rack-Tower convertible
- Two directions LDC display
- Online-Double conversion (PFC)
- Full digital control (DSP)
- Output power factor: 0.8
- Economic operation mode (ECO)
- Wide input voltage range
- Self-testing when UPS startup
- Cold start
- Multifunctional protection
- Output bypass can be set
- Input L and N reversed alarm function
- Optimized battery configuration (1k : 24Vdc; 2k : 48Vdc; 3k : 72Vdc)
- Charger can be extended
- Diverse options of accessories, intelligent management
- Intelligent slot optional: USB / SNMP / Dry contact card

Two directions
LCD display

Battery cabinets
(Optional)

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Technical Specifications:

MODEL	MEMO S RT 1kVA	MEMO H RT 1kVA	MEMO S RT 2kVA	MEMO H RT 2kVA	MEMO S RT 3kVA	MEMO H RT 3kVA
Capacity (VA/Watts)	1000 / 800		2000 / 1600		3000 / 2400	
INPUT						
Nominal voltage	220 / 230 / 240Vac					
Operating voltage range	115~295Vac					
Operating frequency range	50/60Hz ± 10% (auto sensing)					
Power factor	≥0.99					
OUTPUT						
Output voltage	200/208/220/230/240Vac ± 1%					
Output frequency	Synchronized with the utility on AC mode; 50/60Hz ± 0.2% on battery mode					
Crest factor	3:1 (max)					
Harmonic distortion (THDv)	<3% (linear load)					
Efficiency	>87%		>89%			
	>94%(high efficiency mode)					
BATTERY						
DC voltage	24Vdc		48Vdc		72Vdc	
Battery type & number	12V/9Ah × 2		12V/9Ah × 4		12V/9Ah × 6	
Backup time	Full load≥5min(Standard), Long run unit depends on the capacity of battery.					
Charge current	1A	6A	1A	7A	1A	7A
SYSTEM FEATURES						
Overload capability	1. 105%~150%, 30s turn to bypass mode and alarm (mains mode) 2.>150% 300ms turn to bypass mode and alarm (mains mode) 1. 105%~150%, exceed 30s,shut down and alarm (battery mode) 2.>150%, exceed 300ms,shut down and alarm (battery mode)					
Transfer time	1. 0ms (Mains⟷Battery); 2. <4ms (Mains ⟷Bypass) 3. <10ms (Mains →ECO); 4. <10ms (Battery →ECO)					
Communication interface	RS232, optional (USB port, USB card, SNMP card, Dry contact card)					
ENVIRONMENTAL						
Operating temperature	0~40℃					
Storage temperature	−25℃ ~55℃					
Humidity range	0~95% (non−condensing)					
Storage temperature	−25℃ ~55℃					
Altitude	< 1500m					
Noise level	<45dB					
PHYSICAL						
Dimensions D × W × H (mm)	380 × 440 × 86.5		520 × 440 × 131			
Net weight/Shipping weight (kg)	12/14.5	7/9.5	21.5/24.5	11.5/14.3	26/28.8	11.7/14.5
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					

Specifications are subject to change without prior notice.

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