

AR-MP10KRT
10KVA/10KW
With Nano SNMP





3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



Optimized battery configuration
7Ah/9Ah (12V)

Features

- High power density
- Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Automatic voltage and frequency stabilization,
- Surge suppression, Electromagnetic interference (EMI) filtering, and lightning surge protection
- Optimization battery group, the quantity of battery: $\pm 8/\pm 9/\pm 10$ pcs (Settable)
- Wide input voltage range: 110 ~ 286Vac
- Wide input frequency range
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO/SNMP (Dry contact card optional)
- Parallel kit default
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Parallel board



Relay card



SNMP



Multifunctional
bracket



The LCD panel can
be rotated

Technical Specifications:

MODEL		AR-MP10KRT
Capacity		10KVA/10KW
INPUT		
Nominal voltage		208/220/230/240Vac
Input voltage range		110~286Vac
Frequency range		40~70Hz (50/60Hz Auto-Sensing)
Power factor		≥0.99
Bypass voltage range		Max.voltage:220V:+25% (Optional+10%,15%,20%) 230V:+20% (Optional+10%,15%,20%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)
OUTPUT		
Output voltage		208/220/230/240Vac
Power factor		1.0
Voltage regulation		± 1%
Output frequency	Line Mode	± 1%/ ± 2% ± / ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional) (50/60 ± 0.1%)Hz
	Bat. Mode	
Crest factor		3:1
Harmonic distortion (THDv)		≤2% Linear load
		≤5% Non linear load
Transfer time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output waveform		Pure Sinewave
Overload	Line Mode	Load ≤ 110% last 60min; ≤ 125% last 10min; ≤ 150% last 1min; >150% turn to bypass mode immediately 63A (Breaker)
	Bypass Mode	
Efficiency		94%
BATTERY		
Battery voltage		± 96/ ± 108/ ± 120Vdc (Adjustable)
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)
Typical recharging time		6~8 hours (to 90% of full capacity)
Charging current		1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)
INDICATORS		
LED display		Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault
LCD display		Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time
ALARM		
Battery mode		Beeping every 4 seconds
Battery low		Beeping every second
Overload		Beeping twice every second
Fault		Continuously beeping
PHYSICAL		
Dimension W x D x H (mm)		440 x 625 x 86.5 (2U) / 440 x 670 x 130 (3U Optional)
Net weight (kg)		18
ENVIRONMENT		
Operating temperature		0℃ ~ 40℃
Storage temperature		-25℃ ~ 55℃
Humidity range		20~95%RH @ 0~40℃ (Non condensing)
Altitude		<1500m,derating required when>1500m
Noise level		<50 dB at 1 Meter
STANDARDS		
Safety		EN/IEC 62040-1 ; EN/IEC 62040-2
EMC		EN/IEC 62040-1:2019+A11:2021 ; EN/IEC 62040-2:2018 ; EN/IEC 61000-3-2:2019+A1:2021 ; EN 61000-3-3:2013+A2:2021
CE		ENS2408160206P00401C ; ENS2408160206E00301C

MP 10kVA Battery pack specification

MODEL		HPM33 BR40240N
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		± 240Vdc
Battery quantity		1* ± 20 PCS
Capacity		7Ah/9Ah (12V)
PHYSICAL		
Dimension W x D x H (mm)		443 x 861.5 x 175 (4U)
Net weight (kg)		114/123
ENVIRONMENT		
Safety		CE
Operating environment		0℃~40℃
Relative humidity		0~95% (Non condensing)
Noise level		<40dB at 1 Meter

Specifications are subject to change without prior notice.



UPS

Battery
Cabinet

Batery Backup Table (External Baaery Cabinet, each cabinet built-in babery 20*12V/9AH)

Model	Batery String	Backup Time									
		10kVA	9kVA	8kVA	7kVA	6kVA	5kVA	4kVA	3kVA	2kVA	1kVA
AR-MP10KRT 10kVA PF 1.0 (1/1 Phase)	1	2	3	4	5	7	8	10	15	25	60
	2	5	6	10	12	15	20	25	40	60	130
	3	15	17	20	22	25	32	45	65	100	210
	4	17	20	25	30	38	48	65	85	135	290
	5	20	25	30	40	50	65	80	110	175	370
	6	30	35	40	60	70	75	85	115	185	390

