

ARES
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AR-MP6KRT
6KVA/6KW
With Nano SNMP



ARES TECHNOLOGY CO., LTD.

arestech.vn



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
- 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-MP6KRT
Capacity	6KVA/6KW
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	± 1%/ ± 2% ± / ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional) (50/60 ± 0.1%)Hz
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 Bypass Mode: 40A (Breaker)
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)	16
ENVIRONMENT	
Operating temperature	0°C ~ 40°C
Storage temperature	-25°C ~ 55°C
Humidity range	20-95%RH @ 0-40°C (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 BR 6-10kVA battery pack specification

MODEL	MP BR20120N
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	± 120Vdc
Battery quantity	1* ± 10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	440 x 680 x 131
Net weight (kg)	58/63
ENVIRONMENT	
Safety	CE
Operating environment	0°C-40°C
Relative humidity	0-95% (Non condensing)
Noise level	<40dB at 1 Meter

Specifications are subject to change without prior notice. When output voltage is 208Vac,need to derate to 80% of the unit capacity.