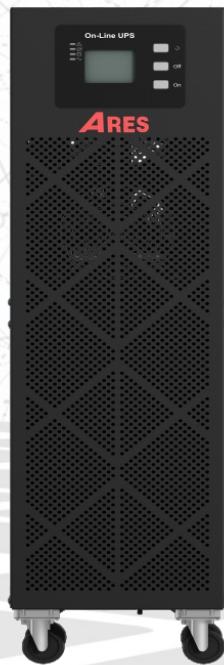


AR-MP10KS
10kVA/10kW (1:1 Phase)
PF 1.0 (kVA = kW)





3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



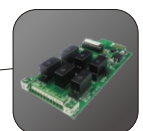
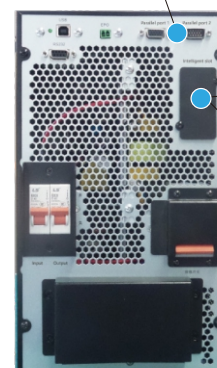
Optimized battery configuration
7Ah/9Ah (12V)

Features

- 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
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Dry contact /SNMP card optional)
- Maximum charging current up to 10A
- Cold start
- Design with maintenance switch (Optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Parallel board



Relay card



SNMP

Technical Specifications:

MODEL		AR-MP10KS	
		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)	
	Bat. Mode	(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	63A (Breaker)	
Efficiency		93.5%	
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		Continously beeping	
PHYSICAL			
Dimension W x D x H (mm)		191 x 460 x 720 (With wheel)	
Net weight (kg)		71.5	
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		<58dB at 1 Meter	
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN62477-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

MP BT 6–10kVA Pro battery pack specification

MODEL

MP BT40120N

BATTERY SYSTEM

Battery tpye	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 discharing cycle and ambient temperature
System voltage	± 120Vdc
Battery quantity	2 * ± 10 PCS
Capacity	7Ah/9Ah (12V)

PHYSICAL

Dimension W x D x H (mm)	250 x 597 x 616
Net weight (kg)	122/134

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. When output voltage is 208Vac,need to derate to 80% of the unit capacity.
Remark: MP BT40120N "MP" means series; "BT": means Battery Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection.