ARES

~ Since 1988 ~

AR-MP6KS

6kVA/6kW (1:1 Phase)

PF 1.0 (kVA = kW)

ARES TECHNOLOGY CO., LTD.

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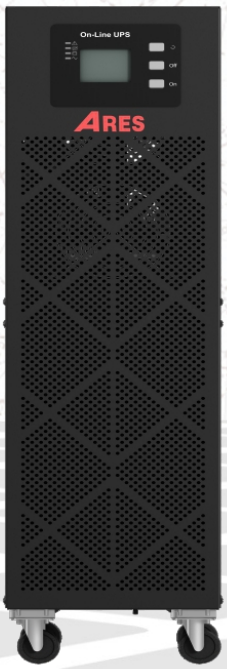
AR-MP6KS
PF 1.0 (6kVA/6kW)



3 kinds of LCD can be selected

Colourful LCD

Gray LCD

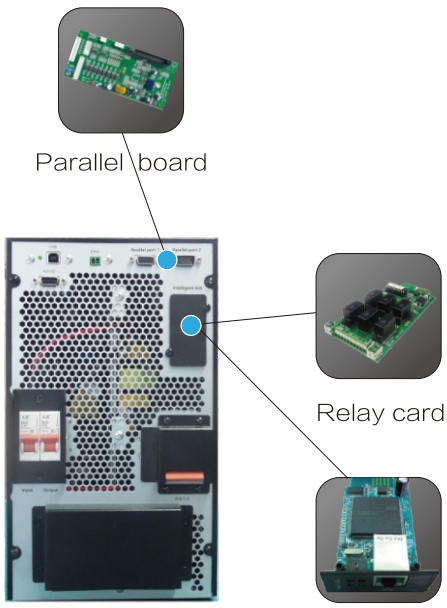
Blue LCD

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: ±8/±9/±10pcs (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



Technical Specifications:

MODEL		AR-MP6KS
		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	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	40A (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 × H (mm)		191 x 460 x 720 (With wheel)
Net weight (kg)		70
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		<55dB 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.