

Meson RT Pro – III Series



1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 6kVA~10kVA



Features

- High power density
- LCD supports 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: 16/18/20pcs (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 (Relay card /SNMP 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



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+971 4 2231185



Our Address
Shop 5&6, 7 States building Baniyas
Square, Deira, Dubai, UAE

Technical Specifications:

MODEL	Meson-6KVA	Meson-10KVA
Capacity	6000VA / 5400W	10000VA / 9000W
INPUT		
Nominal voltage	208/220/230/240Vac	
Input voltage range	110-286Vac	
Power factor	≥0.99	
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)	
FREQUENCY		
Frequency range	40-70Hz (50/60Hz Auto-Sensing)	
OUTPUT		
Output voltage	208/220/230/240Vac	
Voltage regulation	± 1%	
Power factor	0.9	
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) / 63A (Breaker)	
Efficiency	94%	
BATTERY		
Battery voltage	±96/ ± 108/ ± 120Vdc (Settable)	
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)	
Typical recharging time	6-8 hours (to 90% of full capacity)	
Charging current	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	Battery Not Included	
Battery low	Battery Not Included	
Overload	Beeping twice every second	
Fault	Continously beeping	
PHYSICAL		
Dimension W x D x H (mm)	440 x 625 x 86.5	
Net weight (kg)	16	18
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	<55dB at 1 Meter	<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	

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