



Meson series 1kVA~3kVA

Meson RT Pro – III Series



1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet (Optional)



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

Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface:RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm

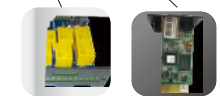


Multifunctional bracket

The LCD panel can be rotated



Optional socket



Relay card

SNMP



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Technical Specifications:

MODEL	Meson-1KVA		Meson-2KVA		Meson-3KVA		
Capacity	1000VA / 900W		2000VA / 1800W		3000VA / 2700W		
INPUT							
Nominal voltage	208/220/230/240Vac						
Input voltage range	110~300Vac (176~280Vac @ 100% load)						
Power factor	≥0.99						
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	Line mode	46~54Hz or 56~64Hz					
	Bat. mode	(50/60 ± 0.1%)Hz					
Crest factor	3:1						
Harmonic distortion (THDv)	≤3% Linear load						
	≤5% Non linear load						
Transfer time	AC mode to Bat.mode	0ms					
	Inverter to Bypass	4ms (Typical)					
Output waveform	Pure Sinewave						
EFFICIENCY							
AC mode	89%		91%		92%		
Battery mode	85%		87%		88%		
BATTERY							
Battery number	2		4		6		
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)						
Typical recharging time	4 hours (to 90% of full capacity)						
Charging voltage	27.4Vdc ± 1%	41.1Vdc ± 1%	54.8Vdc ± 1%	82.2Vdc ± 1%	82.2Vdc ± 1%		
Charging current (Max.)	1A		1A		1A		
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 460 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		
Net weight (kg)	14		19.5		26		
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	<50dB 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.



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