

Uninterruptible Power Supply

MUO

1:1 Phase PF 0.9 Online UPS





3 kinds of LCD can be selected



Colourful LCD

Rear panel



MUO-1000



MUO-2000 MUO-3000

Features

- High power density
- 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

Power range : 1kVA~3kVA

- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- 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





Technical Specifications:

MODEL		MUO-1000 H	MUO-1000 S	MUO-2000 H	MUO-2	2000 S	MUO-3	8000 H	MUO-3000 S						
Capacity		1000VA	1000VA / 900W 2000VA / 1800W 3000				3000VA/	2700W							
NPUT															
Nominal voltage		208/220/230/240Vac													
Input voltage range		110~300Vac (176~280Vac @ 100% load)													
Power factor		≥0.99													
REQUENC	Υ														
requency rar	nge			40~70Hz (50/60)Hz Auto-Sen	sing)									
DUTPUT															
Output voltage		208/220/230/240Vac													
Voltage regulation		± 1%													
Power factor		0.9													
Output	Line Mode	46~54Hz or 56~64Hz													
equency	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														
ransiei uine	Inverter to Bypass	4ms (Typical)													
output wavefo	orm			Pure	Sinewave										
FFICIENCY	(
AC mode		88	%	90%			91%								
Battery mode		85	%	3	87%			88%	6						
BATTERY															
Battery number		2 3	2 3	4 6	4	6	6	8	6						
Capacity (Standard unit)		9Ah/12V													
Typical recharging time		4 hours (to 90% of full capacity)													
Charging voltage		27.4Vdc ± 1% 41.1Vdc ± 1%	27.4Vdc±1% 41.1Vdc±1%	54.8Vdc±1% 82.2Vdc±1	% 54.8Vdc±1%	82.2Vdc ± 1%	82.2Vdc ± 1%	109.6Vdc ± 1%	82.2Vdc ± 1%						
Charging current (Max)		6A/12A	1A	6A/12A	1.	A	6A	/12A	1A						
NDICATOR	S														
ED display			Line mode,Bat.mode	,ECO mode,Bypass r	node,Battery I	ow voltage	,Overload &	. UPS fault							
LCD display		Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time													
LARM															
Battery mode		Beeping every 4 seconds													
Battery mode				Beeping ev	very 4 second	S		Beeping every second							
				· -		s									
attery low				Beeping (
Battery low Overload				Beeping twice	every second										
Battery low Overload ault				Beeping twice	every second ce every seco										
attery low Overload ault	× D×H (mm)	144 × 293 × 20	9 144 x 300 x 200	Beeping twice	every second ce every seco	nd	60 × 337								
attery low overload ault PHYSICAL Dimension W	× D × H (mm)	144 × 293 × 20 4.1	9 144×399×209 9.3 12.5	Beeping twice	every second ce every seco	nd	60 x 337	10	24.5						
attery low overload ault PHYSICAL Dimension W let weight (kg	j)			Beeping twic Beeping twic Contino	every second ce every seco usly beeping	nd 191 x 46		10	24.5						
attery low Overload ault PHYSICAL Dimension W Jet weight (kg	i) ENT			Beeping twice Continou 10	every second ce every seco usly beeping 19.5	nd 191 x 46		10	24.5						
sattery low Overload fault PHYSICAL Dimension W Julet weight (kg ENVIRONME Operating tem	g) ENT nperature			Beeping twice Continou 10	every second ce every seco usly beeping 19.5	nd 191 x 46		10	24.5						
Battery low Dverload Fault PHYSICAL Dimension W Net weight (kg ENVIRONME Dperating tem Storage temporations	Diperature erature			Beeping twice Continou 10 0°C -25	every second ce every seco usly beeping 19.5 ~40°C °C~55°C	nd 191 x 46 24.5		10	24.5						
Battery low Dverload Fault PHYSICAL Dimension W Net weight (kg ENVIRONME) Dperating temporaring tempor	Diperature erature			Beeping twice Continou 10 0°C -25 20~95%RH @ 0~4	every second ce every seco usly beeping 19.5 ~40°C °C~55°C 40°C (Non con	191 x 46 24.5 densing)		10	24.5						
sattery low Overload ault PHYSICAL Dimension W Jet weight (kg ENVIRONME Operating tem	Diperature erature			Beeping twick Continou 10 0°C -25 20~95%RH @ 0~4 <1500m,derating of	every second ce every second usly beeping 19.5 2~40° °C~55°C 40°C (Non conrequired when required when	191 x 46 24.5 densing)		10	24.5						
sattery low overload PHYSICAL Dimension W Net weight (kg ENVIRONME Operating temporal dumidity rang Altitude Noise level	a) ENT operature erature e			Beeping twick Continou 10 0°C -25 20~95%RH @ 0~4 <1500m,derating of	every second ce every seco usly beeping 19.5 ~40°C °C~55°C 40°C (Non con	191 x 46 24.5 densing)		10	24.5						
attery low overload ault PHYSICAL Dimension W Jet weight (kg ENVIRONME Operating tem Storage temporal dumidity rang utitude	a) ENT operature erature e			Beeping twick Continou 10 0°C -25 20~95%RH @ 0~4 <1500m,derating of	every second ce every seco usly beeping 19.5 ~40°C °C~55°C 40°C (Non con required when at 1 Meter	191 x 40 24.5 densing) >1500m		10	24.5						

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

