

MU900HF

1KVA~10KVA
220V



Features

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110V-300V)
- Output power factor 0.9/0.8
- Optimized Battery configuration:1K-24V/36V,2K-48V/72V,3K-72V/96V
- Code start
- Frequency adaptive
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency converter mode available on 6-10KVA
- Selectable battery low voltage via LCD
- Automatically diagnose when starts
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatically charging battery at UPS off mode
- Fan speed auto control when load varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional built-in isolation transformer
- Optional manual bypass on 6-10KVA
- Optional N+1 redundancy parallel on 6-10KVA

Rear Panel



- 1 Overcurrent Protection
- 2 AC Input
- 3 Modem/Tel/Fax
- 4 DC Input
- 5 Outlet
- 6 FAN
- 7 RS232
- 8 SNMP/AS400(Optional)
- 9 USB(Optional)
- 10 Manual Bypass(Optional)
- 11 Breaker
- 12 EPO(Optional)
- 13 Parallel Card(Optional)



Specifications

MODEL	MU901HF	MU902HF	MU903HF	MU906HF	MU9010HF			
Capacity	1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W			
INPUT								
Rated Voltage	208V/220V/230V/240VAC							
Voltage Range	Half load (115-295)±5VAC, Full load (145-295)±5VAC			Half load (115-295)±5VAC, Full load (165-295)±5VAC				
Frequency	45-55Hz±0.5%Hz or 55-65Hz±0.5%Hz (Auto Sensing)			40-70Hz±0.5% (Auto Sensing)				
Power Factor	≥0.98			≥0.99				
Bypass Voltage Range	Rated output voltage-34V- Rated output voltage+32V			160V ~ Rated output voltage+32V				
OUTPUT								
Voltage	208V/220V/230V/240VAC Setting available via LCD							
Voltage Regulation	±1%							
Frequency	Synchronized with utility on AC mode;50/60±0.2Hz on battery mode							
Waveform	Pure sine wave							
Crest Factor	3:1							
Harmonic Distortion	≤3%(Linear load);≤5%(Non-linear load)			≤2%(Linear load);≤5%(Non-linear load)				
Transfer Time	AC mode to battery mode :0ms Inverter model to bypass mode:4ms(Typical)			AC mode to battery mode :0ms Inverter model to bypass mode:0ms				
Overload Capability	105%-150%:Transfer to bypass after 30s; >150%: Transfer to bypass after 300ms			105%-125%:Transfer to bypass after 3mins; 125%-150%: Transfer to bypass after 30s; >150%: Transfer to bypass after 100ms				
EFFICIENCY								
AC Mode	≥90%			≥92%				
Battery Mode	≥87%			≥91%				
ECO Mode	≥98%			≥98%				
BATTERY								
DC Voltage	24V	36V	48V	72V	72V	96V	192V	
Inbuilt Battery of Standard Model	2*9Ah	3*7Ah	4*9Ah	6*7Ah	6*9Ah	8*7Ah	16*7Ah	16*9Ah
Charge Current	Standard Model			1A				
	Long Time Model			6A			1A/3A/5A/8A	
Typical Recharge Time	8 hours recover to 90% capacity							
ALARM								
Utility Failure	Beep/4s							
Battery Low	Beep/1s							
Overload	Beep Twice/1s							
UPS Fault	Long Beep							
ENVIRONMENT								
Humidity	20~90% RH @ 0~40°C(non-condensing)							
Noise Level	≤50dB (1m)			≤55dB (1m)				
MANAGEMENT								
Standard RS-232, Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008/7/8							
Optional SNMP	Power management from SNMP manager and web browser							
PHYSICAL								
Dimension(mm) W*D*H	144x357 x215	144x410 x215	190x452 x341	190x470 x341	190x452 x341	190x470 x341	262x514x455(H) 262x514x735(S)	
Packing Dimension(mm) W*D*H	230x445 x315		230x492 x315		320x550x462		360x650x540(H) 360x650x795(S)	
Net Weight(kg)	6.0(H)	6.5(H)	12.0(H)	13.0(H)	12.0(H)	13.0(H)	26.0(H)	
	10.0(S)	13.0(S)	20.0(S)	25.0(S)	24.0(S)	29.0(S)	67.0(S)	
Gross Weight(kg)	7.0(H)	7.7(H)	13.3(H)	14.3(H)	13.3(H)	14.3(H)	28.0(H)	
	11.0(S)	14.5(S)	21.5(S)	26.5(S)	25.5(S)	30.5(S)	78.0(S)	

* Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208VAC.
 * S means standard model, H means long backup time model.
 ● All specifications subject to change without notice.
 ● Custom-made specifications are acceptable