



Online HF UPS ME900 II R series 1KVA ~ 3KVA is the new generation UPS, we adopt the latest R & D achievements and application experience. With advanced DSP digital control technology, it improves performance & system reliability effectively, and achieves higher level of power density and miniaturization. Besides that, to meet all customer's individualized needs, as a high-end small power range online UPS, ME900 II R can offer highly reliable power for departmental servers, small local area networks, workstations, industrial machines, small medical equipment, and other small precision electronic devices

Online UPS

ME900 II R

1KVA~3KVA

2U Rack With Inbuilt Battery



Ideal applications

Centralized server center, mainframe, network control center, computing center

Perfect protection

- The UPS contain I/P and O/P over-protection, short voltage protection, overload protection, short-circuit protection, inverter over-heat protection, battery low voltage warning protection and battery overcharge protection, etc. Which is the above greatly ensure the stability and reliability of running the system.
- With bypass function, when the output overload or UPS failure, can turn to bypass without interruption, and supply power to load by mains supply, accordingly provide alarm information.
- With input L and N lines detective function, can prevent the danger caused by the inversion of L and N lines.

Cold start and mains power start function.

- For emergency status, UPS can start with battery directly when the mains power anomalies.
- UPS can start directly without battery; can be used for high precision stabilizer

Applied with generator

- Wide range of input voltage and frequency, that can effectively isolate the adverse power from generator, can provide clean, safe and stable power supply the load.

Intelligent Battery Management

- It adopts intelligent management technology to charge by three steps, to effectively extend battery life and reduce the number of battery maintenance
- The battery can be self-testing to find battery problem timely.
- With battery voltage, overcharge protection, etc., to maximize the protection of the battery is not damaged;

Adopt DSP digital control technology

- Adopt advanced DSP digital control technology, it improves performance & system reliability effectively, and achieves higher level of power density and miniaturization.
- Besides that, it can meet all customers's individualized needs, ME900 II R Series 1 ~ 3KVA provide very rich extensible function, users can configure the need flexibly

Output power factor 0.8

- PF 0.8 is more suitable for the trend of electrical equipment, and can take more load. With new ECO (Economic) function, system efficiency can achieve 94%, it lower UPS power consumption and save user's cost.

Input PFC

- Adopt digital control input PFC technology, Input Power Factor can be more than 0.98, it avoids pollution to power grid, saves energy, and also reduces cost

Digital Control at DC-DC Converter

- ME900 II R 1~3KVA UPS adopt digital control, use Digital Control at DC-DC converter part instead of Analog Control in the past, and it is more reliable.

Wide input voltage range

- Extremely wide input voltage and frequency range, even in very poor power environment of the remote areas can normally supply the power. It reduced the frequency of battery discharge so that the battery life can be prolonged.

◆ Rear Panel



- ① Overcurrent Protection
- ② AC Input
- ③ Modern/Tel/Fax
- ④ DC Input
- ⑤ Outlet
- ⑥ FAN
- ⑦ RS232
- ⑧ SNMP/USB/AS400(Optional)



Specifications

Model	ME901 II RS	ME901 II RH	ME902 II RS	ME902 II RH	ME903 II RS	ME903 II RH
Capacity	1KVA		2KVA		3KVA	
Input						
Rated input voltage	220V					
Rated input frequency	50Hz/60Hz (self-adaption)					
Input voltage Range	110 - 295 ± 5VAC (Half load); 140 - 295 ± 5VAC (Full load)					
Input frequency Range	45-55Hz +/- 0.5% 50Hz; 55-65Hz +/- 0.5% 60Hz					
Phase	single phase+N+GND					
Power factor	≥ 0.98					
Input current (line full load)	4.0A		8.1A		12.1A	
THD	< 6%					
ByPass voltage range	186VAC-252VAC					
Output						
Rated voltage	208VAC/220VAC/230VAC/240VAC can be set on LCD					
Power factor	0.8					
Voltage distortion	± 1%					
DC component voltage	≤ 200mv					
Output current crest factor	3:1					
Rated frequency						
AC mode	same as input frequency					
Battery mode	50/60 ± 0.2Hz					
Phase lock speed	≤ 1Hz/s					
Wave distortion	100% linear load < 3%; 100%; nonlinear load < 5%					
Transfer time						
From Mains mode to battery mode	0ms					
From battery mode to Mains mode	0ms					
From Mains mode to bypass mode	< 4ms					
From bypass mode to Mains mode	< 4ms					
From normal mode to ECO mode	< 10ms					
System Efficiency	Full load	≥ 90%				
	ECO mode	≥ 94%				
Inverter overload capacity	105% - 150% 30s transfer to bypass mode giving alarm; > 150% 300ms transfer to bypass mode giving alarm;					
Battery						
Battery type	Lead Acid maintenance free battery					
DC voltage	24V DC		48V DC		72V DC	
Configuration	2x9AH/12V	External Battery	4x9AH/12V	External Battery	6x9AH/12V	External Battery
Charge current	1A	6A(Optional 12A)	1A	6A(Optional 12A)	1A	6A(Optional 12A)
Output voltage	27.5 ± 0.4V		55 ± 0.6V		82.5 ± 0.9V	
Charge method	Three-stage charging					
Recharge time	90% capacity after 5hrs charging (standard model); According to battery capacity(long time model)					
Input voltage range	80VAC-300VAC					
Protection	Over-temp protection; Fan testing protection; AC L and N connect wrong protection; Output short circuit protection					
Control	Silence; cold start; AC restart; Auto restart.					
Communication	RS232, SNMP card, USB					
Display	Software function, Statue analyze: Switch on/off UPS system, Monitor UPS working state, store history LCD/LED					
System Operating Environment						
Operating environment	Operation tem.	0 - 40°C				
	Store tem.	-25°C - 55°C				
	Humidity	20 - 90% (non-condensing)				
	Altitude	0m < altitude < 1500m, over 1500m, used with power derated				
Noise	< 50db					
UPS Dimension (W*D*H) mm	483×442×88		483×492×88		483×600×88	
Packing Dimension (W*D*H) mm	530×600×165		530×810×165	530×700×165	530×810×165	530×700×165
Net/Gross Weight (Kg)	13.8/14.8	9.5/10.5	21.0/22.0	12.5/13.5	30.5/31.5	13.5/14.5

◆ All specifications subject to change without notice.
◆ Custom-made specifications are acceptable.