

MH RM



MH 2000-3000 RM incl. battery cabinet

Online double-conversion 19“ 700, 1000, 1500, 2000, 3000VA

The MH RM is a state of the art, microprocessor-controlled online double-conversion solution with an electronic bypass for supersensitive and critical application such as servers, workstations and measuring or industrial machines. The enclosures of this series are amongst the most robust and compact racks on the UPS market (starting from a 390mm mounting depth).

- UPS-classification VFI-SS-111 according IEC 62040-3
- Online-Double conversion
- Auto select input frequency
- Pure sine wave output
- Microprocessor based regulation
- Automatic frequency synchronisation
- Intelligent battery management
- RS-232, opto-coupler and SNMP via Adapter
- Management software for Windows '95,'98, 2000, 2003 Server, NT, XP, Vista (Business and higher), Novell, Unix
- Temperature sensor
- 36 months warranty



MH 2000 display- "line-mode / 20% load"



MH 2000 display- "battery-mode / batteries loaded"



MH 700 display- "battery-mode /
batteries at 3/4 capacity"



MHD-RM series with RS232
+ USB + LCD-Display



MH 700-1500 RM (front view)



MH 700-1500 RM (rear view)



Battery cable



MH 2000-3000 RM (with battery cabinet) (rear view)

Specifications

Type	MH 700 RM	MH 1000 RM	MH 1500 RM	MH 2000 RM	MH 3000 RM
Output					
Power VA/Watt	700/490	1000/700	1500/975	2000/1400	3000/2100
Max current at 230V	3.0A	4.3A	6A	8.7A	13A
Sockets	2x three-core sockets	2x three-core sockets	2x three-core sockets	2x three-core sockets	2x three-core sockets
Output voltage	230V ± 2%				
Frequency	50/60Hz ± 0.1% auto				
Waveform	Pure sine wave				
Input					
Voltage	160-275VAC (230VAC)				
Frequency	45-65Hz				
Batteries					
Full load	10 min	10 min	6 min	10 min	10 min
DC voltage	24 VDC	36 VDC	36 VDC	72 VDC	96 VDC
Accumulators	7Ah-12V	7Ah-12V	9.5Ah-12V	7Ah-12V	7Ah-12V
Type	Lead-acid, maintenance-free (VRLA)				
Recharge time	8-10 hours up to 90%				
Test	Automatic or test key				
PFC	Yes				
Efficiency AC-AC	>85%				
DC-start-up (black-start)	Yes				
Auto Restart	Yes				
Overload	110% for 10-25 sec.				
Audible noise	< 45 dB(A)		< 50 dB(A)		< 45 dB(A)
LED display	LINE; BYPASS; INV; FAULT; BAT-LEVEL; LOAD LEVEL; BAT.(MH 2000/3000)				
UPS status	20%, 50%, 100%, OVERLOAD				
Load status	Yes				
Audible alert	Yes				
Protection					
Overload	Yes				
Lightning	ANSI/IEEE587 Cat.A				
EMC/LVD	EN50091-2, EN50091-1				
Certificates and tests	CE				
Communication	RS232 / opto-coupler / SNMP via adapter				
Environment					
Temperature	0-40°C (UPS without batteries)				
Humidity	0-95% (non-condensing)				
Mechanics					
Dimensions (U x 19" x D in mm)	2U x 19" x 390	2U x 19" x 390	2U x 19" x 420	2U x 19" x 480	2U x 19" x 480
Weight	16.4kg	19.3kg	19.7kg	15.4kg	15.5kg
Dimensions battery-pack (U x W x D in mm)	-	-	-	2U x 19" x 395	2U x 19" x 395
Weight battery-pack	-	-	-	25.4kg	31kg