

MH  
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**Online double-conversion  
700, 1000, 1500, 2000, 3000 VA**

The MH Series is a state of the art, microprocessor-controlled online double-conversion UPS solution with an electronic bypass for supersensitive and critical applications such as servers, workstations, and measuring or industrial machines.

- UPS-classification VFI-SS-111 in accordance with 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"



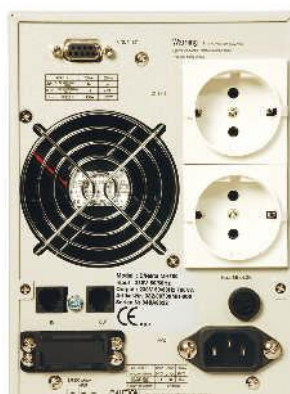
MH 2000 display- "battery-mode / batteries loaded"



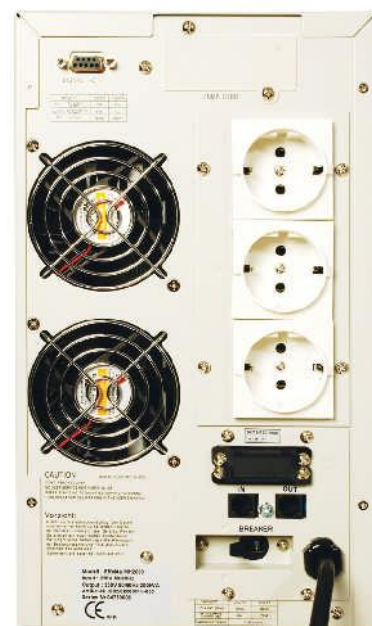
MHD series with RS232  
+ USB + LCD-Display



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



MH 700-1500 (rear view)



MH 2000-3000 (rear view)

# Specifications

Type	MH 700	MH 1000	MH 1500	MH 2000	MH 3000
<b>Output</b>					
Power VA/Watt	700/490	1000/700	1500/975	2000/1400	3000/2100
Max current at 230 V	3.0A	4.3A	6A	8.7A	13A
Sockets	2 x three-core sockets	2 x three-core sockets	2 x three-core sockets	3 x three-core sockets	3 x three-core sockets
Output voltage	230V ± 2%				
Frequency	50/60Hz ± 0.1% auto				
Waveform	Pure sine wave				
<b>Input</b>					
Voltage	160-275VAC (230VAC)				
Frequency	45-65Hz				
<b>Batteries</b>					
Full load	10 min	10 min	6 min	10 min	10 min
DC-voltage	24VDC	36VDC	36VDC	72VDC	96VDC
Accumulators	7Ah-12V		7/9.5Ah-12V	7Ah-12V	
Type	Lead-acid, maintenance-free (VRLA)				
Recharge time	8-10 up to 90%				
Test	Automatic or test key				
PFC	Yes				
<b>Efficiency AC-AC</b>	>85 %				
<b>DC-start-up (black-start)</b>	Yes				
<b>Auto-restart</b>	Yes				
<b>Overload</b>	110% for 10-25 sec.				
<b>Audible noise</b>	<45dB(A)		<50dB(A)	<47dB(A)	
<b>LED display</b>					
USV status	LINE; BYPASS; INV; FAULT; BAT-LEVEL; LOAD-LEVEL; BAT.(MH 2000/3000)				
Load status	20%, 50%, 100%, OVERLOAD				
Audible alert	Yes				
<b>Protection</b>					
Overload	Yes				
Lightning	ANSI/IEEE587 Cat.A				
EMC/LVD	EN50091-2, EN50091-1				
Certificates and tests	CE				
<b>Communication</b>	RS232 / opto-coupler / SNMP via adapter / MHD Series with RS232 + USB + LCD-Display (black cabinet)				
<b>Environment</b>					
Temperature	0-40 °C (UPS without batteries)				
Humidity	0-95% (non-condensing)				
<b>Mechanics</b>					
Dimensions (HxWxD in mm)	190x140x440	190x140x440	190x140x440	320x190x500	320x190x500
Weight	12.5kg	15kg	15.2kg	32.4kg	38.2kg