

Online-uninterruptible power system
5000 or 7000 kVA with single phase input

MH 5000/7000 is the first totally digital UPS of EFFEKTA®. With its fast DSP-controller (Digital Signal Processing) it offers a new sinewave-quality and high performances in controlling input & output. Digitalization of all circuits accelerates, optimates, and reduces the number of components and increases the standard lifetime of important parts.

Compared to previous switching technologies, the reliability and availability of power line has been improved considerably.

Some comfortable extension options ensure an easy integration of the UPS in different applications.

With its modern design, compact dimensions and its low audible noise it is designed for all kinds of offices.



- True-Online Double Conversion
- Digital control processor
- LC-Display, 30 different status informations
- Pure sinewave input and output
- Digital battery management
- Modular battery extension
- Short recharge time (<4 hours up to 90%)
- RS-232, communication and SNMP via Adapter
- optional SNMP-Adapter as plug-in-card
- UPS-Software enclosed
- 24 months warranty

Type	MH 5000	MH 7000
Power		
VA Rating	5000	7000
Wattage	3500	4900
Cos ϕ	0.7	
Input		
Voltage	170-274 VAC	
Frequency	45-65 Hz	
Current in Ampere	28	38
PFC (power factor correction)	0.98	
Output		
Voltage	230 VAC, \pm 1%	
Current in Ampere	21	29,2
Overload	125% for 1 min. 150% for 10 sec.	
Frequency	50/60 Hz (\pm 0,1 Hz in backup mode)	
Waveform	Pure sinewave	
Crestfactor	3:1	
Harmonic distortion	<2% with linear load	
Fault reaction	Automatic switch to Bypass or disconnection (in case of overload, overheat or short circuit)	
Capacity	> 90 % with loaded batteries up to 100%	
Battery		
Autonomy time (100% load)	10	9
DC Voltage	240 VDC	284 VDC
Number of blocs	20	24
Capacity per unit	7 Ah	
Type	Lead acid maintenance free (VRLA)	
Expected lifetime	5 years (optional 10 years)	
Recharge time	<4 hours up to 90%	
Bypass (EUE)		
Nominal Voltage	1 x 230 V (160-270 V)	
Overload	3 x I _{nom}	
Manuell bypass (standard)	Yes	
Communication		
Display	LC-display with 30 different text messages / 8 status-displays	
Acoustic alert	Yes	
Interface	RS232 / opto-coupler (max. 24 VDC/100 mA)	
SNMP	Optional via Software or external adaptor	
Certifications and tests		
Security	IEC 950/EN 50091-1-1, TÜV/GS, CE, UL	
EMV / RFI	EN 55022 « A »	
Mechanics / Environment		
Casing	tower / colour grey / protection type IP 21	
Dimension of UPS(Wx H x D in mm)	678 x 216 x 616	
Dimension of battery (W x H x D in mm)	678 x 216 x 616	
Weight	95	108
Temperature	0-40°C (UPS without battery)	
Humidity	10-90% (non-condensing)	
Audible noise	55 dB(A) in 1 m distance (depends on load and temperature)	