

MH 6000



MH 6000 incl battery cabinet

Online double-conversion 6000VA with 1-phase input

MH 6000 is a progressive development of UPS MH 5000/7000. With its fast DSP (Digital Signal Processing) controller it offers a new sine-wave quality and high performance in controlling input & output. Digitalisation of all circuits accelerates, optimises and reduces the number of components and increases the standard lifetime of important parts.

The reliability and availability of the power line has been improved considerably compared to existing switching technologies.

A wide range of easy-to-use extension options enable the UPS to be integrated easily for any application. Its modern design, compact dimensions and low audible noise make it suitable for all kinds of offices.

- UPS-classification VFI-SS-111 in accordance with IEC 62040-3
 - True Online-Double conversion
 - Digital control processor
 - Dual input loops
 - Smart eco mode
 - Programmable frequency processor
 - Easy-to-set user personalization
 - Power range and runtime scalability
 - RS-232 + EPO (equipped as standard)
 - Additional slot for optional relaycard or SNMP-adapter
 - Management software enclosed
 - 24 months' warranty
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- Optional easy-to-use parallel installation
 - Optional galvanic isolation transformer
 - Optional hot swappable batteries



MH 6000 Display



MH 6000 (rear view)



MH 6000 (adapter slot)

Specifications

Type	MH 6000
Power	
VA Rating	6000
Wattage	4200
Cos phi	0.7
Input	
Voltage	160-280VAC
Frequency	45-65Hz
Current in Ampere	25
PFC (power-factor-correction)	yes
Output	
Voltage	200/220/230/240VAC selectable, $\pm 2\%$
Current in Ampere	21
Overload	110% for 125 sec./140% for 10 sec. - 2 cycles before switching to bypass
Frequency	50/60Hz (± 0.2 Hz in backup mode)
Waveform	Pure sine wave
Crest factor	3:1
Harmonic distortion	<3% with linear load
Fault reaction	Automatic switch to bypass or disconnection (in case of overload, overheat or short circuit)
Efficiency	up to 91% / in eco mode up to 98%
BatterIES	
Autonomy time (100% load)	>8 min.
DC-voltage	240VDC
Number of blocs	20
Capacity per unit	7Ah
Type	Lead acid, maintenance free (VRLA)
Expected lifetime	5 years (optional 10 years)
Recharge time	<4 hours up to 90%
Bypass (SBS)	
Nominal voltage	1 x 230V (160-280V)
Overload	200% for 160 msec.
Manuel bypass (standard)	Yes
Communication	
Display	Status on LCD + LCD: Line Mode, Backup Mode, ECO Mode, Bypass supply, Battery Low, Battery Bad/Disconnected, Overload, Transferring with Interruption & UPS Fault Readings on LCD: Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load percentage, Battery Voltage & Inner Temperature
Alarms	Audible and visual: Line Failure, Battery Low, Transfer to Bypass, System Fault Condition
Interface	Standard RS232 interface, Communication slots options: 2nd RS232 & EPO, USB & EPO, RS 485 & EPO, Relay contact & EPO, SNMP/WEBcard, etc. Optional via software or external/slot adaptor
SNMP	
Certificates and tests	
Security	IEC 950/EN 50091-1, CE
EMV / RFI	EN 55022 « A »
Mechanics / Environment	
Casing	Tower / colour black / protection type IP 21 / 748 x 290 x 645mm (H x W x D) / app. 86kg
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)