

INPUT	
Rated power	160000 VA
Voltage	400 Vac three-phase Vac
Voltage tolerance	+ 20% - 25%
Frequency	50/60 Hz with autorange
Frequency tolerance	45/65 Hz
Power factor	0,99
Input current	226 A
Current distortion	<3%
Soft start	0-100% in 10

BY PASS	
Rated voltage	400 Vac three-phase selectable 380 and 415
Voltage tolerance	± 15% (selectable from ± 10% to ± 25% from front panel)
Rated frequency	50/60 Hz (autorange)
Frequency tolerance	± 2% (selectable from ± 1% to ± 5% from front panel)
Rated current	226 A
Number phases	3
Back-feed protection	yes
Overload capacity Inx10ms	14

OUTPUT and INVERTER OUTPUT	
Rated power	160000 VA
Active power	160000 W
Number phases	3 + N
Crest factor (I <sub>peak</sub> /I <sub>rms</sub> )	3 : 1
Waveform	Sinewave
Dynamic stability	± 5% in 5 ms
Frequency	same as the input (autorange)
Voltage distortion with distorting load	<3%
Voltage distortion with linear load	<1%
Frequency stability	± 0,05% on mains failure ± 2% (selectable from ± 1% to ± 5% from front panel) with mains supply present
Overload	125% 150% 200% of the rated current for 10' / 1' / 7

RECTIFIER OUTPUT	
Ripple	<1%

BATTERIES	
Type	Maintenance-free sealed lead-acid
Maximum recharge current	0.2xC10

ENVIRONMENTAL	
Altitude max	1000 m
Color	Dark grey RAL 7035
Remote controls	EPO and bypass
Safety compliance	EN 62040-1
EMC conformance	EN 62040-2 Directives 73/23-93/68-89/336 EEC EN 62040-3
Protection rating	3
Line-Interactive/Smart Active efficiency	up to 99,4%
Noise	63 dBA at 1 m

Master HE  
MHE 160



Remote signals	voltage free contacts (mains power failure, UPS on bypass, end of discharge pre-alarm, output 12Vdc 80mA)
Operating temperature	0 ÷ 40 °C
Relative humidity	95% no condensing

**DATA**

Weight	865 Kg
Dimensions (h w d)	1900x1000x850 mm