

INPUT	
Rated power	80000 VA
Voltage	400 Vac three-phase Vac
Voltage tolerance	± 20%
Frequency	50/60 Hz with autorange
Frequency tolerance	45/65 Hz
Power factor	0.93
Current distortion	<5%
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)
Number phases	3
Back-feed protection	yes
Overload capacity Inx10ms	14

OUTPUT and INVERTER OUTPUT	
Rated power	80000 VA
Active power	64000 W
Number phases	3 + N
Crest factor (Ipeak/Irms)	3 : 1
Waveform	Sinewave
Static stability	± 1%
Dynamic stability	± 5% in 5 ms
Frequency	same as the input (autorange)
Voltage distortion with distorting load	<3%
Voltage distortion with linear load	1% (rated) 2% (max)
Frequency stability	± 0,05% on mains failure ± 2% (selectable from ± 1% to ± 5% from front panel) with mains supply present
Inverter efficiency at rated load	95% %
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	Light 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
Cooling (type)	redundant fans
AC/AC efficiency	92,5%

Master Industrial
MIM 80



Noise	63 dBA at 1 m
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	1500 Kg
Dimensions (h w d)	1900x1600x800 mm