

INPUT	
Rated power	40000 VA
Voltage	400 V three-phase
Voltage tolerance	400 V \pm 20% @full load
Frequency	50 or 60 Hz with autorange
Frequency tolerance	45/65 Hz
Power factor	>0.93
Current distortion	<6%
Soft start	0-100% in 120 sec. configurable

BY PASS	
Rated voltage	380 / 400 / 415 V three-phase
Voltage tolerance	\pm 15% (selectable from \pm 10% to \pm 25% from front panel)
Rated frequency	50 or 60 Hz (autorange)
Frequency tolerance	\pm 2% (selectable from \pm 1% to \pm 5% from front panel)
Number phases	3
Back-feed protection	yes

OUTPUT and INVERTER OUTPUT	
Rated power	40000 VA
Active power	32000 W
Number phases	1
Crest factor (I _{peak} /I _{rms})	3:1
Waveform	Sinewave
Static stability	\pm 1%
Dynamic stability	\pm 5%
Frequency	50 or 60 (configurable)
Voltage distortion with non-linear load	<3%
Voltage distortion with linear load	1% (typical) 2% (max)
Frequency stability	\pm 2 (configurable from \pm 1% to \pm 5% from control panel)
Inverter efficiency at rated load	91% %
Overload	110% for 60 min, 125% for 10 min, 150% for 1 minute

RECTIFIER OUTPUT	
Ripple	<1%

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

ENVIRONMENTAL	
Color	Light grey RAL 7035
Remote controls	ESD and bypass
Protection rating	IP20
Cooling (type)	redundant fans (front-top)
AC/AC efficiency	92.5%
Noise (at 1 m)	68-70
Remote signals	dry contacts
Operating temperature	0 ÷ 40 °C
Relative humidity	5-95% no condensing
Standards	European directives: L V 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility – Directive and Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant – Classification in accordance with IEC 62040-3 VFI - SS - 111

DATA	
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Master Industrial
MIM 40



Weight	650 kg
Dimensions (h w d)	1900x800x800 mm