

INPUT	
Rated power	80000 VA
Voltage	400 V three-phase
Voltage tolerance	400 V $\pm 20\%$ @ full load
Frequency	50 or 60 (selectable)
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 (selectable)
Frequency tolerance	$\pm 2\%$ (selectable from $\pm 1\%$ to $\pm 5\%$ 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 (I <sub>peak</sub> /I <sub>rms</sub> )	3 : 1
Waveform	Sinewave
Static stability	$\pm 1\%$
Dynamic stability	$\pm 5\%$
Frequency	50 or 60 (selectable)
Voltage distortion with non-linear load	<3%
Voltage distortion with linear load	1% (typical) 2% (max)
Frequency stability	$\pm 2\%$ (selectable from $\pm 1\%$ to $\pm 5\%$ from front panel)
Inverter efficiency at rated load	91% %
Overload	110% for 60 min.; 125% for 10 min.; 150% for 1 min.

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	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% non-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

Master Industrial  
MIM 80



DATA	
Weight	940 kg
Dimensions (h w d)	1900x1200x800 mm