

## POWERHOUSE 2 : 400kW SPECIFICATION SHEET

<b>Rating</b>	No-Break Capacity <sup>1</sup>	400 kW single output	
<b>Dimensions</b>	Height:	9'6" / 2896mm	
	Width:	8' / 2438mm	
	Length:	40' / 12192mm	
	Weight:	44092 lbs / 22000kg	
<b>Electrical Entry</b>		Side / bottom	
<b>Safety</b>		EN64040-1-1	
<b>Standards</b>		IEC88528-11	
<b>ELECTRICAL</b>			
<b>Input</b>	Voltage	380/400/415 VAC 3-phase, 4 wire plus Ground	
	Voltage Range	+10%/-15% (programmable) +10% 380VAC	
	Frequency	50 Hz +/- 10% maximum (programmable) +/- 3% (default)	
	Power Factor	0.99 at rated load and nominal voltage	
	Surge Withstand	Meets IEEE 587/ANSI C62.41	
	Generator Walk-in	1 to 15 seconds (programmable)	
	Harmonic Distortion	Linear Load <3% at 100% load Non-Linear Load <sup>2</sup> <5% at 100% load	
	Current-Nominal (380VAC)	842	
	Current-Nominal (400 VAC)	800	
	Current-Nominal (415 VAC)	772	
	Current-Max Continuous	1040	
	Current-Max Non-continuous	1080	
	<b>UPS Output</b>	Voltage	380/400/415 VAC 3-phase, 4-wire plus Ground
		Voltage Regulation	Steady State +/- 1% for +/- 10% input Flywheel Mode +/- 1% steady state Transient +/- 1% within 50 mSec for 100% load step
Voltage Distortion <sup>2</sup>		<3% linear loads <5% for 100% non-linear loads	
Frequency		50Hz (mains synchronised) (normal operation +/- 0.2% free running)	
Slew Rate		Adjustable from 0.2Hz/second to 3.0Hz/second	
Current-Nominal (380VAC)		761	
Current-Nominal (400 VAC)		723	
Current-Nominal (415		696	

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	VAC)	
	Short Circuit Capacity	10 x input (mains connected) Up to 10 x input (emergency operation)
	Critical Power Efficiency <sup>3,4</sup>	98%
<b>GENERATOR</b>		
	Generator Size	630kW
	Tank Capacity (litres)	1000
	Autonomy @ 75% load (hours)	7
<b>ENVIRONMENTAL</b>		
<b>Noise/Protection</b>	Audible Noise	85dB(A)@1 metre
	Protection	NEMA 2 / IP 12
<b>Temperature</b>	Operating	14° to 104° F (-10° to 40° C)
	Storage	-13° to 158° F (-25° to 70° C)
<b>Humidity</b>		Up to 99% (non-condensing)
<b>Altitude<sup>5</sup></b>		Up to 3000' (1000m)
<b>Emissions and Immunity</b>		EN 50091-2

1 Load protected by uninterruptible power supply and generator storage off-line      2 EN59001-3      3 DC energy

4 Engine pre-heater off-line      5 Please contact us for higher elevations

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