

POWERHOUSE 4 : 800kw SPECIFICATION SHEET

Rating	No-Break Capacity ¹	800 kW single output	
Dimensions	Height:	9'6" / 2896mm	
	Width:	8' / 2438mm	
	Length:	40' / 12192mm	
	Weight:	37479 lbs / 17000kg	
Electrical Entry		Side / bottom	
Safety		EN64040-1-1	
Standards		IEC88528-11	
ELECTRICAL			
Input	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 ² <5% at 100% load	
	Current-Nominal (380VAC)	1684	
	Current-Nominal (400 VAC)	1600	
	Current-Nominal (415 VAC)	1542	
	Current-Max Continuous	2000	
	Current-Max Non-continuous	2080	
	UPS Output	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 ²		<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)		1521	
Current-Nominal (400 VAC)		1445	
Current-Nominal (415 VAC)		1393	

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Short Circuit Capacity	10 x input (mains connected) Up to 10 x input (emergency operation)	
Critical Power Efficiency ^{3,4}	98%	
GENERATOR		
Generator Size	1000kW	
Tank Capacity (litres)	1500	
Autonomy @ 75% load (hours)	6	
ENVIRONMENTAL		
Noise/Protection	Audible Noise	85dB(A)@1 metre
	Protection	NEMA 2 / IP 12
Temperature	Operating	14° to 104° F (-10° to 40° C)
	Storage	-13° to 158° F (-25° to 70° C)
Humidity	Up to 99% (non-condensing)	
Altitude⁵	Up to 3000' (1000m)	
Emissions and Immunity	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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