

PowerHouse 400V; 50Hz; No-Break Support

MODEL	PowerHouse™ 200kW (single output)	PowerHouse™ 400kW (single output)	PowerHouse™ 600kW (single output)	PowerHouse™ 800kW (single output)
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RATING

No-Break Capacity ¹ (kW)	200	400	600	800
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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 (380 VAC)	421	842	1263	1684
Current - Nominal (400 VAC)	400	800	1200	1600
Current - Nominal (415 VAC)	386	772	1158	1542
Current - Max. Continuous	520	1040	1560	2000
Current - Max. Non-Continuous	540	1080	1620	2080

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 (380 VAC)	380	761	1141	1521
Current - Nominal (400 VAC)	361	723	1084	1445
Current - Nominal (415 VAC)	348	696	1045	1393
Short Circuit Capacity	10 x input (mains connected) Up to 10 x input (emergency operation)			
Critical Power Efficiency ^{3,4}	98%			

GENERATOR

Generator Size (kW)	350	630	800	1,000
Tank Capacity (Liters)	470	1,000	1,500	1,500
Autonomy @ 75% load (hours)	8	7	7	6

ENVIRONMENTAL

NOISE AND PROTECTION

Audible Noise	85dB(A) @ 1 Meter
Protection	NEMA 2 / IP 12

TEMPERATURE

Operating	14 to 104 degrees Fahrenheit -10 to 40 degrees Celsius
Storage	-13 to 158 degrees Fahrenheit -25 to 70 degrees Celsius

HUMIDITY

	Up to 99% (non-condensing)
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ALTITUDE ⁵

	Up to 3,000 feet Up to 1,000 meter
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EMISSIONS AND IMMUNITY

	EN 50091-2
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PHYSICAL DATA

Container A (main components)	Generator and UPS			
Height	8 feet	9 feet 6 inches		
	2,438 mm	2,896 mm		
Width	8 feet	8 feet		
	2,438 mm	2,438 mm		
Length	20 feet	40 feet		
	6,096 mm	12,192 mm		
Weight	24,250 lbs	44,092 lbs	57,320 lbs	37,479 lbs
	11,000 kg	22,000 kg	26,000 kg	17,000 kg
Electrical Entry	Side / Bottom			
SAFETY	EN64040-1-1			
STANDARDS	IEC88528-11			

¹ Load protected by uninterruptible power supply and generator

² EN59001-3

³ DC energy storage off-line

⁴ Engine pre-heater off-line

⁵ Please contact Active Power for higher elevations