



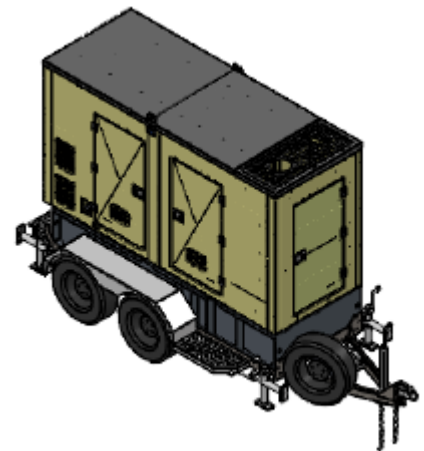
WILDCAT

POWER GEN

PROVIDING BETTER POWER

PATRIOT DIESEL: 100KW PRIME MOBILE APPLICATION

The Patriot generator was designed with rugged simplicity in mind. DOT trailer, voltage selection switch, integrated quick connects, and series 16 receptacles enhances its portability and user-friendly interfaces that are designed for Mobile Prime Power applications.



Durable Industrial Engine

- Planned for emergency applications but built for industrial applications, the Patriot's power plant is a premier industrial fixed speed (1,800 RPM) engine built to provide strong, reliable power without sacrificing engine longevity.

Quality Clean Power

- Voltage regulation ensures that electronics are safely powered with less 2.5% total harmonic distortion (THD) at no load.

Voltage selection

- Wildcat designed the Patriot to for true mobile applications and therefore it comes built in with a voltage selectable switch to cater to large section of electrical loads.

Digital Controls

- Designed for single genset applications, the Patriot's digital controls monitor the genset's voltage, current, power, frequency, engine speed, oil pressure and coolant temperature on a back-lit LCD display for ease of use.

Industrial Class Alternator

- Protected with Class H insulation and standard 40°C nominal rating, the Patriot's standard 12-wire winding and 2/3 pitch meet all key international standards and regulations including UL 1446.

Easy to Service

- Preventative maintenance and in-field repairs are made easier with our simplified engineering and non-proprietary parts.

GENERATOR SET RATING

Model	Voltage	Power Factor	Phase	Hertz	Amps	kW / kVA	BSFC (g/hp*hr)	Emission Compliance	Controller
Patriot Diesel 100KW PA0100D4KS*M	120/240	1	1	60	291A	70/70	156	Tier 4	DeepSea 6110
Patriot Diesel 100KW PA0100D4KS*M	208/110	0.8	3	60	347A	100/125	156	Tier 4	DeepSea 6110
Patriot Diesel 100KW PA0100D4KS*M	240/120	0.8	3	60	301A	100/125	156	Tier 4	DeepSea 6110
Patriot Diesel 100KW PA0100D4KS*M	480/277	0.8	3	60	150A	100/125	156	Tier 4	DeepSea 6110



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ENGINE SPECIFICATIONS

Engine

Manufacturer	ISUZU
Type	4HK1XAGV01 4 Cycle, Turbo Charged & Charge Air Cooled
Speed (RPM)	1800
Cylinder Arrangement	Inline 4
Displacement (L / cc)	5.2L / 5193cc
Bore & Stroke (in / mm)	4.52" x 4.92" / 115 x 125
Compression Ratio	16.5:1
Governor Type	Electronic
Frequency Regulation Steady State	+/- 0.25%
Frequency Regulation No-load to Full-load	Isochronous, Constant Speed
Air Filter Type	Dry
Limited Warranty	3 Years, 5,000 Hours

Lubrication System

Type	Full Pressure
Oil Capacity (gal / L)	6.05 / 22.9
Oil Filter (Quantity / Type)	2, Spin-on

Cooling System

Radiator Type	Aluminum
Radiator Air Flow (m3/Hr)	19,500

Sound Rating at 7 Meters, Lowest Side

No Load	70 dB(A)
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Engine Crankcase Vent System

Engine Crankcase Vent System	Closed Crankcase Vent
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Electrical System

Starting Arrangement	12V Electric
Battery Quantity	1
Battery Voltage (VDC)	12
Battery CCA (A)	900
Battery Charging Alternator	
Ground (Negative/Positive)	Negative
Voltage (VDC)	12
Amperage (A)	50
Starter Motor Voltage (VDC)	12

Exhaust System

Exhaust Manifold Type	Dry
Exhaust Temperature at Rated Load (F/C)	896 / 480
Maximum Allowable Back Pressure (kPa G)	5.9 ± 1

Fuel System

Fuel Type	Ultra-Low Sulfur Diesel
Fuel Injection Pump	Common Rail Fuel Injection
Fuel Filter	1.0 liter Single bowl Spin-on

Fuel Consumption

Unit comes integrated with fuel tank with 24 Hours Run Time	
100% Load	7.6 GAL / HR
75% Load	5.6 GAL / HR
50% Load	4.1 GAL / HR

Engine Output Deratings

Rated Temperature (°F / °C)	77 / 25
Rated Altitude	328 ft (100 m) Above Sea Level
Temperature Derate	1.5% for Each 10°F (5.6°C) Above Rated Temperature
Altitude Derate	2.5% for Each 1000 ft (305 m) Above Rated Altitude

STANDARD CONTROLLER



WILDCAT POWER GEN DeepSea Controller 6110

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- Single & 3 Phase generator applications
- UL recognized



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ALTERNATOR SPECIFICATIONS

	Patriot 100KW Single Phase	Patriot 100KW 3-Phase	Patriot 100KW 3-Phase	Patriot 100KW 3-Phase
	Phase			
Model	PA0100D4KS*M	PA0100D4KS*M	PA0100D4KS*M	PA0100D4KS*M
Alternator Model	UCI274D	UCI274D	UCI274D	UCI274D
Manufacturer	Stamford	Stamford	Stamford	Stamford
Type	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead
Frequency (Hz)	60	60	60	60
Phase	3	3	3	3
Winding Configuration	Double delta	Parallel Star	Series Delta	Series Star
Exciter Type	Self Exciter	Self Exciter	Self Exciter	Self Exciter
Number of Poles	4	4	4	4
Voltage Regulator	MX341	MX341	MX341	MX341
Insulation Rating	Class H	Class H	Class H	Class H
Designed Temperature Rise Limit	125°C	125°C	125°C	125°C
Bearing (Quantity / Type)	1/Sealed	1/Sealed	1/Sealed	1/Sealed
Coupling	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk
Amortisseur Windings	Full	Full	Full	Full
Voltage Regulation, NL to FL	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%
One Step Load Acceptance	90% of Rating	90% of Rating	90% of Rating	90% of Rating
Total Harmonic Distortion (THD), NL to FL	<5%	<5%	<5%	<5%
<ul style="list-style-type: none">• Complete winding protection for non-harsh environment with relative humidity ≤95%. IP23 Protection• Manufactured according to the following standards: ISO 3046, ISO 8528-1, ISO 8528-3, ISO 8528-5, IEC 60034-1, BS 5000-3				

Weight & Dimensions

Assembled Weight (lbs / kg) 7275 LBS / 3300 KG

Overall Dimensions (in / mm) with Trailer 195 (L) x 73 (W) x 106 (H) 4953 (L) x 1855 (W) x 2693 (H)

Need help? Visit wildcatpowergen.com

Complete the web form and a local dealer will contact you to answer questions on our generators and accessories.

620-500-5111

**Never Lose Power Again
With Wildcat Power Gen**