



## KEEPER HYBRID DIESEL: 8KW

The **WILDCAT KEEPER** hybrid generator is a sound attenuated enclosed genset combined with a Battery Energy Storage System (BESS) that is designed to run for extended periods of time with prime rated liquid cooled engine platforms.

### Durable Industrial Engine

Usually reserved for industrial applications, the power plant is a premier industrial fixed speed (1,800 RPM) engine built to provide strong, reliable power without giving up quiet operation and engine longevity.

### Digital Controls

Designed for single genset applications, the 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.

### Quality Clean Power

Voltage regulation ensures that electronics are safely powered with less 5% total harmonic distortion (THD) at no load.

### Industrial Class Alternator

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

### NFPA-110

Genset is designed to exceed NFPA-110, Level 2 Emergency Power Supply Systems (EPSS) by providing prime power (PP) to meet EPSS Class 168 Type 10.

### Easy To Service

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



### Assembled Weight (lb / kg)

Dry	2,205 lbs	950 kgs
Wet	2,114 lbs	1000 kgs

### Overall Dimensions (in / mm)

Genset	91L x 28W x 42H	2300L x 700W x 1050H
With Solar	91L x 28W x 59H	2300L x 700W x 1490H

- ☒ Solar Panel System
- ☒ Battery Management & Protection
- ☒ Steel Enclosure

## GENERATOR SET RATINGS

Model	Voltage	Power Factor	Phase	Hertz	Circuit Breaker Amps	KW / KVA	BMEP (Bar)	BSFC (g/hp*hr)	Emission	Duty Cycle	Controller
<b>Keeper</b> Diesel 8KW KP0008D4ASXP	240	0.8	1	60	40A	9.5 / 9.5	7.2	168	Tier 4F	Prime	DeepSea 7320

## INVERTER RATINGS

Capacity	4KVA	Battery Voltage System	51.2 Volts
Battery Capacity	200Ah	Battery Type	LFP

## SOLAR SYSTEM RATINGS

Capacity	160 - 250 Watts
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# PROVIDING BETTER POWER

## ENGINE SPECIFICATIONS

### Engine

Manufacturer	KOEL
Type	2R550 Industrial Powertrain, 4 Cycle, Naturally Aspirated
Speed (RPM)	1800
Cylinder Arrangement	Inline 2
Displacement (L)	1.1L
Bore & Stroke (in / mm)	3.385" x 3.7" / 86 x 94
Compression Ratio	19.7 : 1
Governor Type	Electronic
Frequency Regulation Steady Rate	0.25% (+/-)
Frequency Regulation	Isochronous, Constant Speed
No Load To Full Load	
Air Filter Type	Dry
Limited Warranty	3 Year, 5,000 Hour

### Lubrication System

Type	Full Pressure
Oil Capacity (qt / L)	3.49 / 3.30 6.23 / 5.95
Oil Filter (Quantity / Type)	1 / Spin-On

### Cooling System

Radiator Type	Horizontal Copper Alloy
Fan Type	Pusher

### Sound Rating at 7 Meters, Lowest Side

75% Load	70 dB(A)
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### Engine Crankcase Vent System

Engine Crankcase Vent System	Closed Crankcase Vent
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### Engine Output Deratings

Rated Temperature (°F / °C)	77 / 25
Rated Altitude	328 ft (100m) above sea level
Temperature Derate	1.5% for Each 10°F (5.6°C) Above Rated Temperature
Altitude Derate	2.5% for Each 1,000 ft (305m) Above Rated Altitude
Engine Specifications Link:	<a href="#">2R550</a>

### Electrical System

Ignition System	Compression Ignition
Battery Quantity	1
Battery Voltage (VDC)	12
Battery CCA (A)	900
Battery Charging Alternator	
Ground (Negative / Positive)	Negative
Voltage (VDC)	12
Amperage (A)	40
Starter Motor Voltage (VDC)	12

### Exhaust System

Exhaust Manifold Type	Dry
Exhaust Flow at Rated Load (kg / hr)	65 / 97
Exhaust Temp at Rated Load (°F / °C)	1202° F / 650° C
Max Allowable Back Pressure (Hg / kPa)	3.3 +/- 1.0

### Fuel System

Fuel Type	Ultra-Low Sulfur Diesel
Fuel Injection Pump	Mechanical Fuel Injection
Fuel Filter	0.6 Liter Single Bowl Spin-On
Fuel Tank (gal / L)	10.56 gal / 40 Liters

### Fuel Consumption

	Full Load	50% Load	No Load
2R550	0.84 gal / hr	0.47 gal / hr	0.19 gal / hr





## ALTERNATOR SPECIFICATIONS

Wildcat Model	KP0008D4ASXP		
Alternator Model	LSAP 40E		
Manufacturer	Leroy Somer		
Type	Brushless, 12- Lead		
Frequency (Hertz)	60		
Phase	Single (1)		
Winding Configuration	Double Delta		
Exciter Type	Shunt		
Number of Poles	4		
Voltage Regulator	R120		
Insulation Rating	Class H		
Designed Temperature Rise Limit	125 °C		
Bearing (Quantity / Type)	1 / Sealed		
Coupling	Flexible Disk		
Amortisseur Windings	Full		
Voltage Regulation, NL to FL	1.0% (+/-)		
One Step Load Acceptance	100% of Rating		
Total Harmonic Distortion (THD) NL to FL	< 3.5%		

Complete winding protection for non-harsh environment with relative humidity < 60%. Space heater required for <95%. IP23 Protection.

Manufactured according to the following standards: ISO 3046, ISO 8528-1, ISO 8528-5, IEC 60034-1, IS 13364

[Alternator Specifications Link: LSAP 40](#)

## CONTROLLER SPECIFICATIONS

Manufacturer	Deep Sea Electronics
Model	DSE 7320
Display	Easy To Read Alpha-Numeric Scrolling Display
Monitoring	Diagnostic Conditions, Fault Codes, Weekly Exercise Cycle
Specifications	<a href="#">Controller Specifications Link: DSE 7320</a>

