

STORM SERIES

**D/48S SPECIFICATIONS
60kVA**



German Technology. Australian Design.
Powered by 

GENERAL

Model	D48/S
Power Type	Diesel
Prime Power (kW/kVA)	48/60
Standby Power (kW/kVA)	53/66

ENGINE

Engine Make and Model	DEUTZ BF4M2012
Engine Type	Water-cooled, in line, 4 stroke, 1500rpm
Engine Prime Power (kW)	51
Engine Standby Power (kW)	60
Fuel Tank Capacity (L)	335
Fuel Consumption (L/h)*	9.67
Battery Type	Lead-acid, 2 x 12V - 120AH
Bore (mm) x Stroke (mm)	101 x 126
No. of Cylinders	4
Displacement (L)	4.04
Compression Ratio	18
Speed Control System	Mechanical speed governing
Lubricating System	Forced-feed lubrication
Lubricating Oil Capacity (L)	8.5
Lub Consumption (g/kW/h)	0.663

*Fuel consumption is based on 100% load

ALTERNATOR

Model	SLG224E1, single bearing
Frequency (Hz)	50
Continuous Output (kW/kVA)	48/60
Power Efficiency	88.2%
Type	4 pole, rotating field
Exciter Type	Brushless, self excited
Voltage Regulator	AS440
Voltage Regulation	±1.0%
No. of Phases	3 phases, 4 wire
Insulation	Class H
Protection	IP22
Rated Power Factor	0.8
Stator Winding	Double layer concentric
Winding Pitch	Two thirds
Winding Leads	12
Waveform Distortion	No load <1.5%
Altitude (m)	1000

UNIT

Dimensions L x W x H (m)	2.6 x 1.1 x 1.29
Dry Weight (kg)	1550
Sound at 7m/dB	70

STANDARD FEATURES

- 50°C rated radiator
- Powder coated finish
- All moving parts fitted with safety guards
- Emergency E stop
- State of the art control
- Double muffler



OPTIONS

- Remote monitoring available
- ATS available

ASSEMBLY

The engine and alternator are closed coupled by means of an SAE flange. A full torsional analysis has been carried out to guarantee no harmful vibration will occur. Anti-vibration pads are affixed between engine alternator feet and base frame. Rubber diagonal isolators are specifically designed to reduce engine and alternator vibration and prevent distortion in the voltage and harmonic output of the generator. All iron and steel surfaces of the canopy fabrication have been sand blasted and then powder coated, which provides an excellent corrosion resistant surface.



CONTROL SYSTEM

The DSE6020 control system features an electronic J1939 (Controller Area Network), non-electronic MPU, and alternator-sensing engine support for diesel, gas and petrol engines all in the one variant.



Featuring a number of flexible inputs, outputs and protections, the modules can be easily adapted to suit a wide range of applications.

QUALITY STANDARDS

Our generator sets are compliant with all the main standards, such as ISO8528, ISO14000, GB755, BS5000, VDE0530, ISO3046, IEC34-1, AS3000.

WARRANTY POLICY

12 months, 1200 hours as per generator.
Generators Australia Pty Ltd Warranty Policy.