

By harnessing the power of hydrogen, our innovative solution provides enhanced efficiency, reduced emissions and increased sustainability for power generation.

Complete Burn: The introduction of hydrogen allows for a more complete burn of the hydrocarbon fuel.

Improved Engine Performance: Engines operate more efficiently with the hydrocarbon-hydrogen fuel mixture.

Reduced Emissions: Engines running on this mixture produce fewer pollutants.

Cost Efficiency: Lower fuel usage translates to cost savings over time.







USAGE BY UP TO 32% REDUCE CO2 OUTPUT BY 7.58KG EVERY 10 HOUR SHIFT

REDUCE YOUR DIESEL FUEL



IG02Zero is a Green Hydrogen on demand generating system. Using demineralised water and low voltage electricity, Hydrogen is produced by the system as needed which is then supplied into the air intake and is burnt with your engines standard hydrocarbon fuel source.

This results in a more complete burn of your hydrocarbon fuel meaning engines run more efficiently. Additionally, engines that run on hydrocarbon/hydrogen fuel mixture, run cleaner, cooler, have increased torque, and use less of your main fuel source.



GL-9000 CONTROL PANEL



*VERIFICATION TEST CONDITIONS ARE DRY 24-27 CELSUIS OPERATING AT 80% LOAD

🛛 🔍 QLD, WA, TAS, NSW, VIC, SA, NT 🔍 1300 305 912 🛛 🗠 Sales@genelite.com.au

CENERATOR Design - Salient-pole, revolving-field AC generator (AVR system with separate and self- excitation brush) Frequency Hz 50 Rated Output (COP) kVA 5.5 Rated Output (COP) kW 5.5 Rated Noltage V 240 Rated amperage A 22.9 Phase & Wire Ø-W 1-2 Power Factor % 100 No. of Poles - 2 Insulation - Rotor coil: Class F, Stator coil: Class B Voltage Regulation % 5 (No load to full load) Total Harmonic Distortion % 8 (No load), 22 (Full load) Type of Coupling - Direct coupled Diffet ENGINE - 2 Roci cylinders - 2 Design - Vertical, water-cooled, 4-cycle diesel engine No. of cylinders - 2 Displacement L (cu. in.) 0.479 (29.2) Engine speed rpm 3000 Lubricati	Model 1	Unit	GL6000A-AU-B			
Design – Salient-pole, revolving-field AC generator (AVR system with separate and self-excitation brush) Frequency Hz 50 Rated Output (COP) HVA 5.5 Rated Voltage V 240 Rated amperage A 22.9 Phase & Wire Ø-W 1-2 Power Factor % 100 No. of Poles - 2 Insulation - Retor coil: Class F, Stator coil: Class B Voltage Regulation % 5 (No load to full load) Total Harmonic Distortion % 8 (No load), 22 (Full load) Type of Coupling - Z482 Design - Vertical, water-cooled, 4-cycle diesel engine No. of cylinders - 2 Bore x Stroke mm (n.) 9 67 × 68 (2.6 × 2.7) Displacement L (cu. in.) 0.479 (29.2) Engine speed rpm 3000 Lubricating Oil - API service class CF or higher Oil capacity L (US.gal.) 2.7 (0.58)	GENERATOR					
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Starting System – Electric L x W x H mm (in.) 1066 × 618 × 698 (42.0 x 24.3 x 27.5) Approx Net Wt kg (lbs.) 235 (518)	Battery (V × Ah/5Hr)	_	44B19R (12V x 2	7Ah)		
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Approx Net Wt kg (lbs.) 235 (518)	L×W×H	mm (in.)	1066 × 618 × 698	98 (42.0 x 24.3 x 27.5)		
Approx 1400 440	Approx Net Wt.	kg (lbs.)	235 (518)			
Controller — Digital - DSE4520	Controller	—	Digital - DSE4520			
Receptacles — 2 x 15A (IP66 rated)	Receptacles	_	2 x 15A (IP66 rated)			
Electrical Protection – 25A MCB (2 Pole), 16A RCBO 30mA (2 Pole) x 2, MEN Link at Alternator.	Electrical Protection	— 25A M	4CB (2 Pole), 16A RCBO 3	30mA (2 Pole) x 2, MEN	Link at Alternator.	
— In case of abnormal : Oil pressure, water temperature		 In case of abnormal : Oil pressure, water temperature 				
Shutdown System – Emergency stop button, Engine Room Door Opened	Shutdown System	Emergency stop button, Engine Room Door Opened				
 Under/Over Voltage and Frequency 		— Une	der/Over Voltage and Fr	equency		

LOW NOISE LEVELS

The use of the larger capacity radiator on the GL-6000/9000 generators, with oversize muffler plus a lower fan speed ensures minimum operating noise levels. A matched air cleaner hose further reduces suction noise to make sure these generators are the quietest available.

EASY MAINTENANCE

The fuel capacity on the GL-6000/9000 has been increased to 28 litres for extended working applications. Control panels are centrally located and easy to use, providing full operating information at a glance. Single sided maintenance reduces the operator's workload and makes checking the oil, fuel, cooling water and battery levels a simple operation. Transportability is enhanced with special forklift openings on the base of the unit as well as one point lifting eye.

A large capacity sump ensure that oil change levels are extended to 200hr intervals to reduce downtime and operating costs and a fully enclosed breathing system minimises splash back Double element air cleaners are standard allowing the GL-6000/9000 generators to be used in dusty or sandy environments.

Another benefit of the generator and engine being direct coupled is that there is no drive belt to adjust on these models.

COMPACT DESIGN

The GL-6000/9000 generators achieve their compact design and superior performance by direct coupling the alternator to the engine.

CLEANER EMISSIONS

The Kubota ETVCS vertical diesel engines which power the GL-6000/9000 generators are designed to meet the USA EPA Emission Control Tier 2 regulations.

SAFETY MEASURES

The GL-6000/9000 generators provide covers for the engine cooling fan and generator for safer operation. An automatic shutdown is activated if water temperature is to high or oil pressure drops below a safe operating level and a Starter Safety System prevents engaging again after initial start.

IMPROVED RELIABILITY

WEOK

The Kubota super mini vertical diesel engines are water cooled and have increased performance for dependable horsepower and when direct coupled to the generator, provide continuous power output levels with minimum power loss.



JBOTA