

GS650SD260513



MODEL : PDG-650SD

**INDUSTRIAL
SERIES**

Powercity

" 30 Years of Generator Experience "

**SOUNDPROOF & WEATHERPROOF
AC DIESEL GENERATORS**



045

ISO 9001:2008 Cert.NO.:682452



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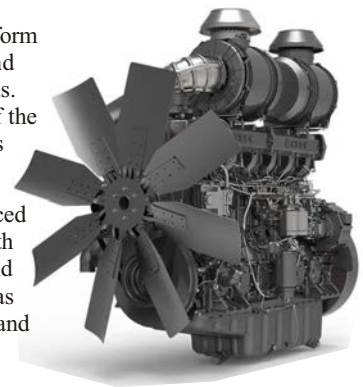
Powered by:
SDEC ENGINE



- Compact Designed Soundproof And Weatherproof Canopy .
- All Canopy Parts Are Designed With Modular Principles.
- Detachable Designed Doors Provide Most Accessible For Maintenance And Repairs.
- All Metal Canopy Parts Are Factory Rustproof Using Special Powder Paint Coating.
- Single Point Lifting Eye Designed For Easy Mobilization.
- Transparent Glass Control Panel Viewing Window.
- Optimized Ventilation Design Provides Better Generator Cooling.
- Provision For External Fuel Tank For Extended Operation Through Fuel Intake & Return Valves.

The K series engine is jointly designed by SDEC and AVL of Austria. It is a brand new engine platform developed by referring to the current international-advanced engine application technologies and made with world-class equipment and according to the SAIC MOTOR manufacturing standards. The feature of K series engine is safe, reliable and powerful. Its fuel economy is superior to that of the similar engines of the same power. The engine is applicable to medium- and high-end generator sets with prime power of 460 to 800 kW.

K series engine was jointly designed by Austria AVL. To ensure high quality products, the advanced technologies are used, such as four-valve, overhead camshaft and high strength cylinder block with bedplate, etc., and engines are produced by the automated production line with world-class brand equipment, such as MAG. Comparing with other same output engines, SDEC E series engine has lower fuel consumption, lower noise, high quality of the appearance of the noble temperament, and longer maintenance cycle.



- Over-rated, brushless, rotating exciter with solid state AVR.
- Class H winding insulations provide high temperature resistance.
- Standard degree of protection IP21.
- Self exciting and self regulating.
- Factory impregnated epoxy varnished.
- Heavy duty steel frame cast-iron cover.
- Stator grease insulation covered.
- Flywheel location cooling fan.

- The PLC Generator set controller uses micro-processing intelligent and network technique which can carry out precision measure, constant value adjustment, timing and threshold setting and etc. of multiple digital parameters.
- Carry out functions including automatic start/stop, data measure, alarms indicates service affecting faults, and compatible with most standard ATS.
- Uses LCD display, optional Chinese and English display with easy operation, reliable and durable.
- Parameters can be set in site or in monitor center & can not lose even power off.
- Easy to replace with a plug-in type socket at the back of the control module and low cost to the end user.
- Automatic shutdown on fault conditions such as high temp, low oil pressure, over & under speed (RPM), over load & low fuel stock level.
- Another set of analog gauges for engine status monitoring including un-resettable run hours gauges to prevent tampering.



SPECIFICATIONS

MODEL	PDG-650SD
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• ALTERNATOR

Make & Model		Powercity SLG 544F	Powercity SLG 544E
Frequency	Hz	50	60
Output Rating (KVA)	Prime	650	650
	Standby	750	750
No. of Phases		3-Phase (4 Wires)	
Rated Voltage	V	200~240 / 380~480	
Power Factor		0.8 (Lagging)	
Voltage Regulation	%	Within +/- 1.5	
Excitation		Brushless, Rotating Exciter (with A.V.R.)	
Insulation		Class H	

• ENGINE

Make & Model		SDEC 6KTAA25-G38	
Type		Vertical Inline, Water-cooled, 4-Stroke, Electric single pump injection , Turbo charged, Inter-cooled	
Output Rating	Kw/rpm	622/1500	622/1800
No. of Cylinders-Bore x Stroke	mm	6 - 170 x185	
Piston Displacement	L	25	
Fuel		Fuel or Equivalent	
Fuel Consumption @75% load	L/h	112	112
Lube Oil Capacity	L	70	
Coolant Capacity	L	150	
Battery Capacity	V-Ah	12V-150Ah (2pcs)	
Fuel Tank Capacity	L	800	

• UNIT

Dimensions	Length mm	4800
	Width mm	1700
	Height mm	2450
Dry Weight	kg	6300

• SOUND LEVEL

dB @ 7m	72	75
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(Specifications are subject to change without prior notice.)



Manufactured by:

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STANDBY: Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings.

STANDBY:

Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period.

PRIME:

About Powercity



Powercity Corporation was established in 1993. It engaged in the selling, leasing, and distribution of diesel- and gasoline powered generators as well as electrical supplies.

The company was conceived by a man who has more than two decades of experience in the operation, maintenance, and service of engine-driven power generators made by leading brands in the market. These decades of field experience have resulted in the high-level of generator expertise needed to produce safe, user-friendly, cost-efficient, and dependable generators.



It started its business growth by providing generator repair and maintenance services in cell sites of a local mobile operator Smart Communications in 1996. Because of the company's outstanding performance Powercity gained recognition from Smart Communications and also gained opportunity from its rival Globe Telecom in the year 2000.

In 2002, the company established its own diesel generator manufacturing plant in China known as Powercity Electromechanical and Equipment Co. Ltd. The latter, investing in research, development and manufacture of Powercity generators, load banks, automatic transfer switches (ATS), electrical conduits, accessories, unistrut channel, clamps and dc fan ventilation. At present, Powercity delivers its products to the Middle East, Africa, Australia, and Southeast Asia including Philippines.



As the company maintained its good business relationship and reputation with Smart and Globe Telecom, Powercity gained another opportunity in Sun Cellular in 2005 in terms of sales and after sales service of Powercity generators.

POWERCITY CORPORATION has been serving other customers for the supply, installation and maintenance of generators and relevant products for the Philippine clients such as Luzon Hydro Corporation, Alcatel Philippines, Nextel Communications, Northern Telecoms, Lucent Technologies, Hutama Skyway Project and more.

Today, POWERCITY CORPORATION diversifies into marine engines, renewable energy and telecommunication products to bring an options to its potential customers

Worldwide presence...

LEGEND:

Customer

