

Powercity

" 26 Years of Generator Experience "

**SOUNDPROOF & WEATHERPROOF
AC DIESEL GENERATORS**

MODEL : PDG-25S



GENSET FEATURES

ENGINE

- Heavy duty diesel engine.
- Vertical inline, Four stroke, water cooled.
- Direct injection fuel system.
- 12 VDC starter and charge alternator.
- Replaceable fuel filter, oil filter and dry element air filter.
- Cooling radiator and fan.
- Industrial capacity exhaust silencer.
- Built in vibration isolators.
- Closed crankcase ventilation system with filter to eliminate engine room contamination.

ALTERNATOR

- 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.

CHASSIS

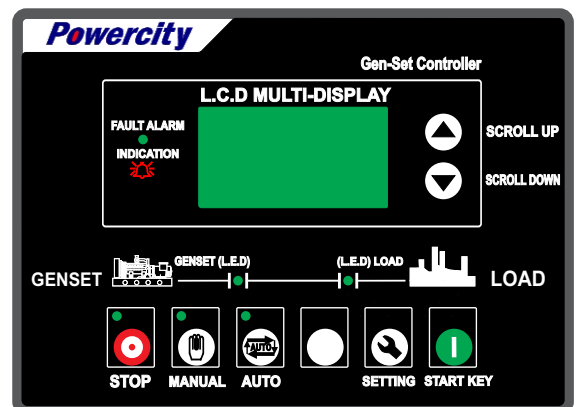
- The complete generator set is mounted as a whole on a heavy duty fabricated steel base frame.
- Anti-vibration pads are fixed between the engine and alternator footings and the base frame.
- Base frame with integrated fuel tank.
- Cylindrical fuel gauge, low stock level switch and drain plug on the fuel tank.
- Provide external fuel connection fittings for bigger fuel reserve tank.
- Outside Oil drain plug designed easy access for change oil maintenance.
- Base frame are factory rustproof using special powder paint coating.

CANOPY

- Compact designed soundproof and weather-proof 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 makes generator ventilation well.
- Large capacity designed of fuel tank

CONTROL SYSTEM

- Powercity's designed integrated artificial intelligence controller.
- The keyless module manual or automatic start and stop the generator.
- Automatic shutdown on abnormal conditions and indicates service affecting faults.
- Compatible with most standard ATS.
- LED digital metering shows line voltage, current, frequency, operating hours and battery volts.
- Easy to replace with a plug-in type socket at the back of the control module.
- Panel light designed for operators convenient during night uses.



SPECIFICATIONS

MODEL	PDG-25S		
-------	----------------	--	--

• ALTERNATOR

Make & Model		POWERCITY TWG-224C	
Frequency	Hz	50	60
Output Rating (KVA)	Continuous	20	25
	Standby	22	27.5
No. of Phases		1-Phase (2 Wires) or 3-Phase (4 Wires)	
Rated Voltage	V	200~240 / 380~440	
Power Factor		0.8 (Lagging)	
Voltage Regulation	%	Within +/- 1.5	
Excitation		Brushless, Rotating Exciter (with A.V.R.)	
Insulation		Class H	

• ENGINE

Make & Model		FOTON 4JB1 (Isuzu Technology)	
Type		Vertical Inline, Water-cooled, 4-Stroke Direct Injected	
Output Rating	Kw/rpm	23/1500	25/1800
No. of Cylinders-Bore x Stroke	mm	4 - 93 x 102	
Piston Displacement	L	2.771	
Fuel		ASTM No.2 Diesel Fuel or Equivalent	
Fuel Consumption @75% load	L/h	3.8	4.5
Lube Oil Capacity	L	6	
Coolant Capacity	L	15	
Battery Capacity	V-Ah	12V-80Ah	
Fuel Tank Capacity	L	80	

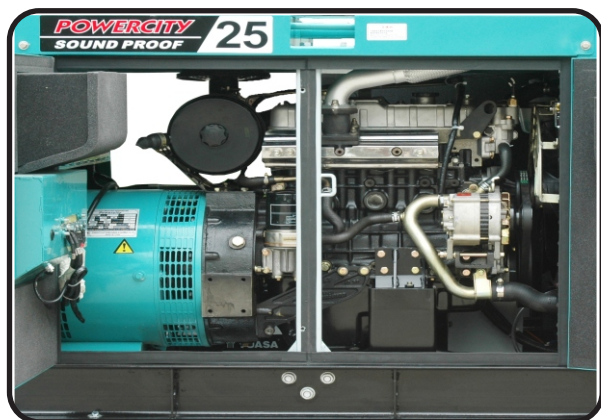
• UNIT

Dimensions	Length mm	1850
	Width mm	750
	Height mm	1000
Dry Weight	kg	880

• SOUND LEVEL

dB @ 7m	66	68
---------	----	----

(Specifications are subject to change without prior notice.)



Manufactured by:

Powercity Electromechanical & Equipment Co. Ltd.
 Laicuo Industrial Zone, Xiyuan Side, Jinjiang City
 Fujian, China
 Tel. +86-595-85301789 Fax. +86-595-85301608
 Email: sales@powercity.com.cn

Philippine Distributor:

Powercity Corporation
 #198 Vitalez Ave., Vitalez Compound, Barangay San
 Isidro, Sucat, Parañaque City, Philippines 1700
 Tel: +63(2) 829-4403 Fax: +63(2) 829-9985
 Email: sales@powercity.ph

www.powercity.ph or www.powercity.com.cn

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: