

Powercity

“ 30 Years of Generator Experience “

**SOUNDPROOF & WEATHERPROOF
VEHICLE-MOUNTED GENERATORS**

MODEL : PVG-25SI



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.
- Natural Aspirated.

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.
- Heavy duty hanging points designed both for genset & fuel tank mounting strongly
- 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.



Digital Control Panel

SPECIFICATIONS

MODEL	PVG-25SI		
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• ALTERNATOR

Make & Model		POWERCITY KT14F	
Frequency	Hz	50	60
Output Rating (KVA)	Prime	25/20	27.5/22
	Standby	27.5/22	30/24
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

Brand		ISUZU	
Make & Model		JE493DB-02	JE493DB-01
Type		Vertical Inline, Water-cooled, 4-Stroke Direct Injected, Natural Aspirated	
Output Rating	Kw/rpm	24/1500	28/1800
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	5.6	
Coolant Capacity	L	12	
Battery Capacity	V-Ah	12V-80Ah (1pcs)	
Fuel Tank Capacity	L	155	

• UNIT

Dimensions	Length mm	1500
	Width mm	1600
	Height mm	930
Dry Weight	kg	800

• SOUND LEVEL

dB @ 7m/1m	62/78	65/80
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(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. 0086-595-85301789 Fax. 0086-595-85301608
 Email: sales@powercity.com.cn

Philippine Distributor:
 Powercity Corporation
 Km 20 East Service Road, Super-Highway, Muntinlupa City,
 Metro manila, Philippines 1770
 Tel: +63(2) 869-1991, 869-7909, 869-7520, 869-9796
 Fax: +63(2) 869-9758, 869-3869
 Email: sales@powercity.ph

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

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

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