

# Powercity

"26 Years of Generator Experience"

**SOUNDPROOF & WEATHERPROOF  
AC DIESEL GENERATORS**

**MODEL : PDG-10S**



**10KVA**



## 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 with manual or automatic start and stop generator.
- Automatic shutdown on fault conditions.
- Indicates service affecting faults.
- Compatible with most standard ATS.
- Plus, the individual analog display shows for AC voltage, Current load rating, Frequency and engine monitoring gauges..
- Easy to replace with a plug-in type socket at the back of the control module.
- With LEDs indicate the operation status and fault alarm condition of the genset.



## SPECIFICATIONS

MODEL	<b>PDG-10S</b>		
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### • ALTERNATOR

Make & Model		<b>POWERCITY SLG-164C</b>	
Frequency	Hz	50	60
Output Rating (KVA)	Continuous	9	10
	Standby	10	12
No. of Phases		1-Phase (2 Wires)	
Rated Voltage	V	200~240V	
Power Factor		0.8 (Lagging)	
Voltage Regulation	%	Within +/- 1.5	
Excitation		Brushless, Rotating Exciter (with A.V.R.)	
Insulation		Class H	

### • ENGINE

Make & Model		<b>QUANCHAI QC380D</b>	
Type		Vertical Inline, Water-cooled, 4-Stroke Direct Injected	
Output Rating	Kw/rpm	10/1500	12/1800
No. of Cylinders-Bore x Stroke	mm	3 - 80 x 90	
Piston Displacement	L	1.357	
Fuel		ASTM No.2 Diesel Fuel or Equivalent	
Fuel Consumption @75% load	L/h	2.6	2.9
Lube Oil Capacity	L	4.5	
Coolant Capacity	L	12	
Battery Capacity	V-Ah	12V-80Ah	
Fuel Tank Capacity	L	60	

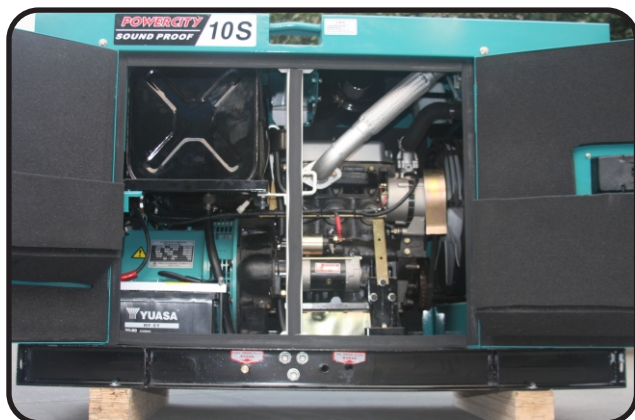
### • UNIT

Dimensions	Length mm	1470
	Width mm	725
	Height mm	905
Dry Weight	kg	610

### • SOUND LEVEL

dB @ 7m	68	70
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(Specifications are subject to change without prior notice.)



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[www.powercity.ph](http://www.powercity.ph) or [www.powercity.com.cn](http://www.powercity.com.cn)

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

STANDBY:

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

PRIME: