



PROPEL_250 kVA _ Gas Genset_Technical Data		
GG Set Model	PW250GG	
GG Set Rating	250 kVA	
Application	Prime Power, Continuous duty	
Fuel	Natural Gas	
Rated Current	347 Amps	
RPM	1500	
Genset Size (LxWxH) mm	5000 x 1800 x 2200	
Engine		
Engine model	WP12D264E300NG	
bore diameter /stroke mm	126×155	
Number of Cylinders	6	
Number of Valves	12	
Displacement(L)	11.596	
Gas system	Single Point Injection	
Mixed mode	Electronic Control before Turbocharged mixture	
Engine Rated Power (kW)	240	
Engine Standby Power (kW)	264	
Compression Ratio	11.6:1	
Emission standard	CPCB II	
Aspiration	Turbocharged and After cooled	
Load factor	Power kW	Gas consum. g/kW.h
25%	60	254.9
50%	120	212.1
75%	180	198.8
100%	240	191.2
110%	264	189.5
Gas type	12T NG	
Oil type	15W/40 CH-4	
Turbocharge inlet	temperature (°C)	39.5
	pressure (kPa)	100.4
	humidity (%)	54.90%
Exhaust back pressure	7.5	



Air intake system		
Air mass flow (kg/h)	Rated Power	1082
	Standby Power	1190
Gas system		
Gas quantity (kg/h)	Rated Power	46
	Standby Power	50
Inter cooling system		
Intercooler heat dissipating capacity (kJ/s)	Rated Power	37.37
	Standby Power	43.66
Type of cooling	Radiator Cooled	
Noise		
Gas engine noise dB(A)	As per CPCB Norms	
Exhaust system		
Exhaust-gas mass flow (kg/h)	Rated Power	1127
	Standby Power	1240
Exhaust temperature (°C)	Rated Power	498
	Standby Power	486
Alternator		
Make	Leroy Somer/ Meccalte	
Rated Volt	415 V	
Voltage Regulation	(+/-)1%	
Class of Insulation	Class H	
Frequency	50 Hz	
Power Factor	0.8	
Enclosure	IP23	
Cooling	IC01	
Excitation Type	Self excited and self regulated Brushless	
Overload Capacity	10% for 1 Hr in 12 Hrs operation	
Manual Control Panel		
MCCB	400 Amps MCCB	
Digital display	Speed, Lube oil pressure (Trip), Coolant Temperature (Trip), Voltage, Current, KW, KWH, PF, KVA, Frequency	

Note :

1. Product development is continuous process, hence data can be changed any time without prior notice.
2. GG Rating in accordance of ISO 8528, ISO 3046/1, BS 5514, DIN 6271 for Prime rated Generator.
3. Fuel consumption tolerance applicable +5%.

REGISTERED OFFICE & FACTORY

**PROPEL INDENERGY SOLUTIONS  
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