



**SMARTGEN Genset Digital Control**  
Auto / Manual Start Operation Engine

- Protection Device Monitoring an
- extensive number of engine parameters, the module will display warnings, shutdown and engine status information on the back-lit LCD screen.

**SMARTGEN Automatic Battery Charger**

- Design in switching power structure, wide range of AC voltage input, small volume light weight, and high efficiency ;
- Two stage charging method ( constant current firstly and then constant voltage ), fully considering charging property of the lead acid battery, can avoid overcharging and extend battery life to the fullest, With short circuit and reverse connection protection.

**SWG Genset Starting Battery**

- High Performance Generator Sets Battery
- Maintenance Free
- Nano-Technology, reducing the possibility of batteries catching fire for providing less flammable electrode material.
- Increasing the available power from a battery and decreasing the time required to recharged a battery.



Color and Design may vary\*

**BODY CONSTRUCTION**  
Genset Enclosure

- Sound Proof / Weather Proof Steel enclosure
- with polyester power coated enamel Special
- integrated steel skid base tank with enamel paint
- Emergency push stop button, mounted on Enclosure exterior.
- Steel locks and hinges
- Large residential muffler for silent operation

- Safely enclosed exhaust silencing system
- Genset Mobile Trail Type ( Optional )

# PGS-3-50-F

## Specification Sheet



### GENERATOR SET

Engine	FAWDE 4DX21-61D	Alternator	Stamford Technology	Power Rating	Stand By Prime Power	40 Kw/ 50 Kva 36 Kw/ 45 Kva
Speed	1800rpm	Frequency	60Hz	Starting Voltage	24v	
Speed Control Type	Electronically	Connection Mode	3/ Three Phase	Voltage Available	208v/120v 220v/127v 240v/139v 380v/220v 440v/254v 480v/277v	
Fuel Tank Capacity	Good for 8 Hours	Weight & Dimension	780 Kgs L 225 x H 95 x W 125 cm	Type	Silent	

### ENGINE

Number of Cylinders	4 inline	Aspiration	Naturally Aspirated	Cycle	4
Fuel Type	Diesel	Combustion Type	Direct Injection	Cooling Type	Water Cooled
Bore x Stroke	102x120	Compression Ratio	16.5:1	Displacement	3.9 L

### ALTERNATOR

Insulation	Class "H"	Excitation Type	Self-Excitation or PMG	Protection Class	Ip23
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### CERTIFICATES

Engine	ISO 3046, BS 5514, DIN 6271
Alternator	UTE NFC 51-111-105-110 ICE34-1, BS 5000-4999 NEMA MG 21, VDE 0530 ISO 8528

- PRIME POWER : ratings are as per DIN 6271, Bs55114 and ISO-3046 with 10% overload capacity
- STANDBY POWER : Power at variable load for up to max. of 500 hours during one year of which 300 hours may be for continues use
- Operation at Altitude 1500m, Ambient temperature 40°C. if altitude higher than 1500m, each 100m will cost additional de-rating 1%