

■ Model: **GSC350D6** | **GSC350S6**

Powered by SDEC



■ Generator Specification

Service	PRP ⁽¹⁾	ESP ⁽²⁾
Power (KVA)	350	385
Power (KW)	280	308
Rated speed	1800RPM	
Standard voltage	230/132V	
Power factor	0.8	
Phase	3	



GENLITEC Power gensets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery safety.
- 2006/95/EC Low voltage
- EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1:2008, EN 12601: 2010

■ **GSC350D6: OPEN TYPE; GSC350S6: SILENT TYPE**

(1) PRP (Prime Power)

According to ISO 8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) ESP (Standby Power)

According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available.

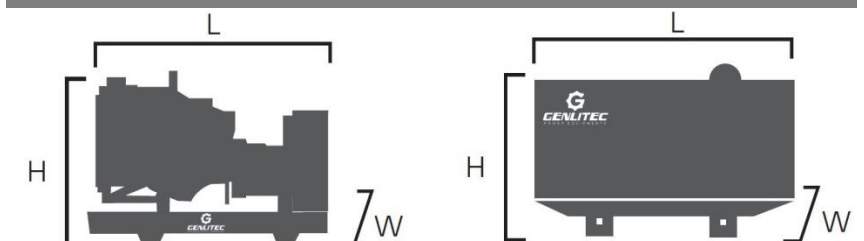
Voltage (V)	PRP		ESP		Current Amps
	KVA	KW	KVA	KW	
480/277	350	280	385	308	421
230/132	350	280	385	308	879
220/127	350	280	385	308	918

Performance Data		
Model	GSC350D6 GSC350S6	
Engine brand	SDEC	
Engine model	6ETAA11.8-G22	
Speed control type	Electronic	
Alternator brand	GENLITEC	
Alternator model	S314G250	
Control system	SMARTGEN HGM6120N	
Starter motor voltage	24V	
Frequency	60Hz	
Fuel Consumption (L/H)	110% Prime Load	84.7
	100% Prime Load	75.8
	75% Prime Load	56.6
	50% Prime Load	39

Standard Reference Conditions

Note: Standard reference condition 25°C (77°F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption date with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998 Class A2

Dimension & Weight



Dimension	Open type	Silent type
Length (L)	3280mm	3980mm
Width (W)	1150mm	1400mm
Height (H)	1950mm	2150mm
Net Weight	3300kg	4300kg

Note: This parameters allows for some acceptable deviations.

■ Engine Specification



MODEL: SDEC 6ETAA11.8-G22

Cylinder number	6
Aspiration system	Turbo & aftercooler
Cooling method	Water cooled
Combustion system	Indirect injection
Bore x Stroke (mm)	128 x 153
Compression ratio	17:1
Rated speed (RPM)	1800
Displacement (L)	11.8
Rated power (KW)	307
Standby power (KW)	338
Fuel injection pump	Direct injection
Coolant capacity (L)	23.2 (engine only)
Oil capacity (L)	41
Charger Alternator capacity	24V – 70A
Starter motor capacity	DC 24V

■ Alternator Specification



MODEL: GENLITEC S314G250

Number of phases	3
Rated power (KW)	300
Frequency (Hz)	60
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	12
Insulation type	H class
Ambient temp.	40°C
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Coupling	Flexible disc

Standard Supply Scope

- Industrial exhaust silencer
- Maintenance free battery
- Water cooling radiator
- A.V.R
- Flexible pipes
- Battery wires
- Wiring diagram
- Build-in based fuel tank
- Float Battery charger
- Manual books
- Tool kits
- Emergency stop button
- Base frame
- Digital control panel
- Main circuit breaker

■ Optional Supply Scope

Engine	Alternator	Generator Sets	Control Panel
<ul style="list-style-type: none"> ○ Water jacket pre-heater ○ Lubrication oil pre-heater ○ Battery isolator 	<ul style="list-style-type: none"> ○ Anti-condensation heater ○ PMG 	<ul style="list-style-type: none"> ○ Extended fuel tank 12h/24h/72h ○ Soundproof canopy ○ Trailer mounted 	<ul style="list-style-type: none"> ○ Remote control system ○ Build-in/External ATS ○ Synchronizing System ○ Power output sockets

■ Warranty Period

- **GENLITEC DIESEL GENERATOR SET:** 12 months or 1000 working hours with free cost of replacement spare parts.

Control Panel

Configuration
Emergency stop button
Protection MCB (Main circuit breaker)
Float battery charger
ATS connection
AMF digital control module
Fuel level meter
Controller power switch
Alarm buzzer



Features
Chinese, English, Spanish, Turkish, Russian & French
Three phase generator monitoring
Automatic or manual start/stop of the gensets
Push buttons for simple control & operation
Generator measurements (50Hz/60Hz)
Precision collect & display parameters about ENGINE
Comprehensive shutdown or warning on fault condition
Three phase generator protections <ul style="list-style-type: none">Over / under voltageOver / under frequencyCurrent / voltage asymmetryOver current / overload
Three phase AMF function <ul style="list-style-type: none">Over / under voltageLoss of phase detection function
Emergency start function
IP55 waterproof with rubber-ring gasket

Control Module Model: SMARTGEN HGM6120	
Display	LCD (132 x 64)
Operation panel	Silicon rubber
Digital input	5
Relay output	6
Analogue input	3
AMF	Yes
AC System	1P2W / 2P3W / 3P3W / 3P4W
Alternator voltage	15-360V (ph-N)
Alternator frequency	50/60Hz
KW/Amp Detecting & Display	Yes
Monitor interface	USB
Programmable interface	USB
DC supply	DC 8-35V
Operating temp.	-25 ~ +70°C

Controller Module Options

COMAP	DEIF	DEEPSEA
AMF25	SGC 420	DSE7320