

- **Product Details**

This Engine is a Entry level Gaseous fueled Engine tuned for Standby Power use on Hydrogen or HHO.

It is expect you have ability to make HHO or supply H2 from Gas Grid or Tanks to the engine inlet.





Basic Specification

Frequency	50Hz
Fuel	Alternative Energy
Rate	1500-2000
Output Type	AC Three Phase
Rated Voltage	Other
Rated Current	Other
Maximum Power	Other

Can Match All Countries just advise at time of order.



Detail Description

25KW H2 Series

Generator Set SSGH25

1. Delivery Time

Within 45 days to load from when the deposit has been received.

2. Payment Terms

1. T/T Payment for Order (50% in advance and 50% before loading)

3. Warranty Our Warranty is on Workmanship

Once the Genset reached the agreed destination, its main parts will be guaranteed within 12 months or 2000 hours operating in a standby partial load use environment. Engine is not designed for over loading and non stop 24 hr use. It is a Back up Emergency power engine 5-6 hrs operations.

(subject to the earlier mature term). We take charge of all troubles caused by Genset's fault and repair according to the regulation stipulated by original plants. Factors not accordance with the regulation of original plants such as fragile parts, daily consumed components, wrong operating, lack of maintenance are not included in the quality guarantee as are **Fueling variations also not covered in this warranty.**



4. Genset Working Condition

Standard working conditions:

1. Genset can run for 5-6 hours continuously at rated power on the conditions of:

Atmospheric Pressure: 100kPa, Ambient Temp: 20°C, Relative Humidity: 30%.

2. Genset can also run stably and reliably on the conditions of:

Ambient Temp -40°C~+40°C, Relative Humidity <90% (20°C) ,Altitude ≤1000m above sea level.

Fuel requirements:

1. Applicable gas: Hydrogen HHO

2. Gas temperature ≤ 40°C

3. Acceptable gas engine pressure: 2~10kPa

4. H2 volume content ≥ 60%

5. Total content of C2, C3, C4 content ≤ 20%, Genset output power will decrease as the Cx Content increase

6. Gas heat value ≥ 23MJ/Nm3. Genset output power will decrease as the gas heat value decrease

7. H2S content ≤ 200mg/Nm3

8. NH3 content ≤ 20mg/Nm3

9. Impurities content ≤ 30mg/Nm3, size ≤ 5µm

10. Water content ≤ 40g/Nm3, no free water.

5. Dimensions

Open Type Genset	Packed dimensions(mm)	2000*800*1600
	L × W × H	
	Net weight (KG)	1150
	Packed volume (m3)	2.6

6. Specification of Generator Set

Genset Details		
Model		<u>SSGH25</u>
Rated Power	KVA	31
	KW	25
Engine model		<u>SSGH25</u>
Alternator model		LSA42.2L9
Control model		SS620A
Rated Voltage (V)		400
Frequency (Hz)		50
Current(A)		45.1
Power factor		0.8 (lagging)
Generator Insulation class		H
Noise level (dB)		≤105

7. Specification of Engine

Engine Model	SS4B
Brand	Secure Supplies Backup Standby Power
Rated power(kW)	33
Rated speed (r/min)	1500
Type	Inline, four stroke, wet cylinder jacket, premix proper ratio of air and gas before combustion
Cooling Mode	Heat exchanger water cooling for cogeneration unit with Remote radiator for emergency cooling.
Cylinders	4
Bore x Stoke (mm)	102 X 120
Displacement (L)	3.92
Compression Ratio	11.5:1
Inspiration	Natural
Fuel	Hydrogen Minimum (60% h2)
Fuel Consumption (m3/kwh)	≤0.53
Ignition order	1-3-4-2
Igniting system	Electronic-control spark plug ignition,
Idling speed (r/min)	700
Oil recommended	15W-40CD CNG special oil
Oil consumption	≤1.0
The highest exhaust (OC)	≤680

8. Specification of Leroy Somer Alternator

Alternator Data	
Brand	Leroy Somer
Model	LSA42.2L9
Rated Power (kW)	25.2
Frequency (Hz)	50
Rated Voltage (V)	400
Voltage Regulation	±0.5%
Type	3 phase/4 wire, brushless, automatic voltage regulator, drip proof, protected type.
Efficiency	90.0%
Voltage Regulation	± 0.5 %(adjustable)
Insulation Class	Class H
Protection Class:	IP 23
Cooling Method	Wind-cooling, self-heat-rejection
Voltage Regulating Mode	Automatic voltage regulator
AVR Model	R230
Packed Dimensions(mm)(L×W×H)	595*358*445
Weight (kg)	155

1. Brushless, four-pole revolving field, single bearing and drip proof screen protected.
2. IP23 protection standard.
3. Dynamically balanced rotor to BS 55625 grade 12.5.
4. High-quality lubrication sealed for long-life bearing.
5. Comply with International standard: IEC60034, ISO8528, NEMA, CSA, CSA/UL and so on.

9. Specification of Control System



1. Control module cored with microprocessor SS620
2. Program controlled generating set startup/shut down, LCD Indicator with automatic start and stop.
3. Real time display of operating state and parameters of the generating set: Voltage, Current, Frequency, Speed, Power factor, Battery voltage, Oil pressure, Working counter indicator.
4. Charge failure, Battery low, Low pressure, High temperature, Overspend, Under speed, High voltage, Low voltage, Over current, Standby input warning.
5. Phenomenon alarm and state graphic signs offer a quick information display of the generating set
6. Complete protection system: Fail to start, Fail to stop, Emergency stop, Low oil pressure, High temperature, Over speed, Under speed, High voltage, Low voltage, Over current, Standby output alarm and stop protection.
7. Emergency switch with indicator lamp.
8. Programmable standard input and output interface, expandable for individualized functions
9. Emergency skid mounted.



Additional Information

Payment Terms	<p>TT , Deposit to Bank of Ayudhya: Branch of Central Phuket ACCOUNT NAME: Mr. Daniel Thomas Donatelli ACCOUNT NUMBER: 465 -1 -030 879 SWIFT CODE: AYUDTHBKXXX</p> <p>ADDRESS: Central Festival Shopping centre Phuket 83000 TEL : 076 367 005-6</p>
Minimum Max Order	1 set 30 Set per Month Max 1 x 20 FCL Container
Lead Time / Delivery Time	30 Day(s)
Sample Available	Paid Sample
Delivery Details	Test all genset's before shipment.
FOB Port	Thailand/ Hong Kong
Loading Info	By sea
Packing Info	By container
Target Market(s)	<p>Africa(except Middle East), Eastern Europe, Hong Kong/ Macao/ Taiwan, Japan & Korea, Latin America, Mainland China, Middle East, North America, Northern Europe, Oceania, Central & Southern Asia, Southeast Asia, Western & Southern Europe.</p>