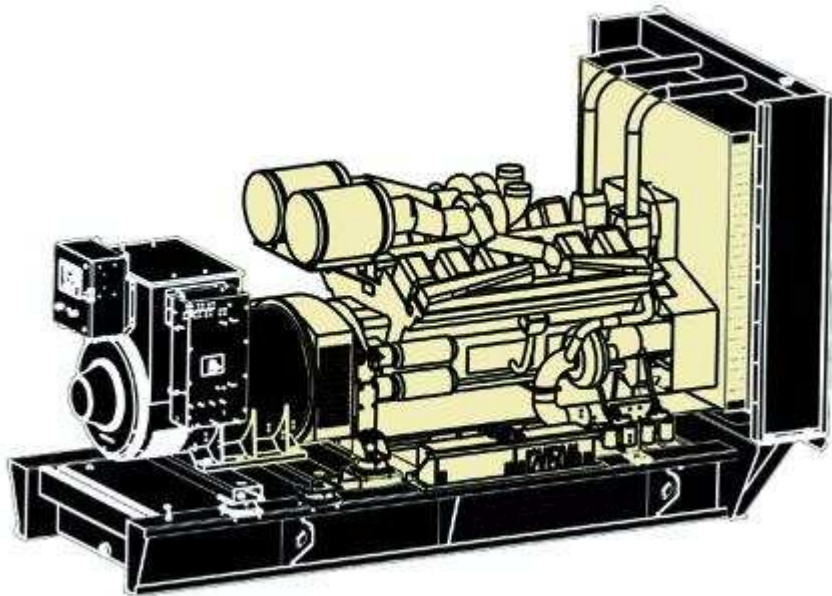


EC Series

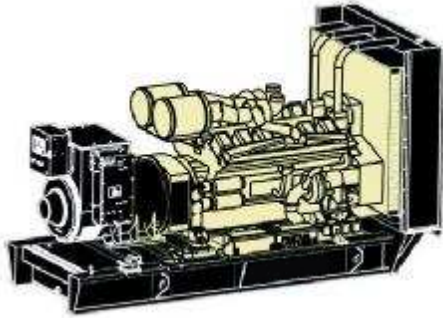
SGMS1250C

— Generator Set Specification



Your Partner for Power...

SGMS1250C



3-Phase, 50Hz@1500RPM				
	Voltage	kW	kVA	Amps
Standby Power	380	1000	1250	1899.2
	400	1000	1250	1804.3
	415	1000	1250	1739.1
	440	1000	1250	1640.2
Noise Level at 7 meters (dBA)			101	

Notes:

- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity;
- 2) Standby Power: the maximum power available under varying loads. Only for standby and emergency use. No overload is permissible. Prime Power: the maximum power available under varying loads for continuous operation. A 10% overload is permissible for 1 hour every 12 hours.

Features	Benefits
<ul style="list-style-type: none"> I Tightly structure, excellent design and craft I Designed with safety in mind I Earth leakage protection I Quick fix electrical power connections I Extensive option list 	<ul style="list-style-type: none"> I Beautiful appearance I Low operating cost results in optimal economy I Ease of installation, operation, and maintenance I Customization I Good quality ensure

Performance Specification and Craftwork			
Performance Specification		Telephone Interference, Electromagnetism	
Efficiency of Rated Power	96.3%	TIF	≤50
Time needed from start-up to full load (inductive)	125 seconds	THF	≤2%
Time needed from start-up to 50% load (inductive) allowed	8 seconds	Radio interference in compliance with BS800 and VED LEVELS G and N.	
1.1 times overload operation time (hour)	1	Craftwork <ul style="list-style-type: none"> ● Steel base frame with AV mounting ● standard 8h fuel tank with flexible rubber fuel tube, fuel level indicator and drainage ● Overall sprayed powder coating ● Whole set documents, including Installation Manual, Operation Manual, Spare Parts Catalog, Circuit Diagram Criterion <ul style="list-style-type: none"> ● ISO3046, ISO8528, BS4999, BS5514, ● BS5000PT99、AS1359, IEC34 ● UTE5100, VDE0530 ● ISO9001:2000 	
2.0 time overload operation time (minute)	1		
Voltage Regulation, steady state	≤±1%		
Voltage Regulation, transient state	20%-15%		
Voltage Settle Time	≤5 seconds		
Voltage Fluctuation Ratio	0.5%		
Frequency Regulation, steady state	±0.5% adjustable		
Frequency Regulation, transient state	±5%		
Frequency Settle Time	5 seconds		
Frequency Fluctuation Ratio	0.5%		
Recovery Time	0.5 seconds		

SGMS1250C

Engine Specification			Alternator Specification		
Brand	Cummins		Brand	Stamford	
Model	KTA38-G9		Model	LVI634G	
No. of Cylinders and Cycle	16V, 4 Stroke		Rated Output (kVA)	1250	
Induction System	TCA		Rated current (A)	1739.1-1899.2	
Compression Ratio	13.0: 1		Exciter	Brushless	
Displacement (L)	37.8		THF (BS EN60034- 1)	<2%	
Bore x Stroke (mm)	159 x 159		Bearing number	Single	
Net weight (kg)	3723		Windings	100% Copper	
Piston speed (m/s)	7.9		Connection Type	Star Connection	
Intake Air Flow (L/s)	1140		Insulation Class	H	
Exhaust gas temperature (°C)	499		Winding Pitch	2/3	
Exhaust gas flow (L/s)	3051		Amortisseur Winding	Full	
Base Output power (kW)	1195		A.V.R. Model	MX321	
RPM	1500		Voltage Regulation (no load- full load)	± 0.25%	
Brake mean effective pressure (kPA)	1868		Underspeed Protection	Standard	
			Protection	IP23	
Fuel Consumption (L/h)	110% load		Phase Sequence	A(U), B(V), C(W)	
	100% load	254	TIF (NEMA MG 1-22)	<50	
	75% load	195	Excitation System	Self-excited, PMG optional	
	50% load	138	Ambient Temp. (°C)	45	
Governor Type	E		Stator Rated Temp. (°C)	125	

Cooling System			Fuel System		
Max. coolant friction head external to engine (kPA)	55		Type injection System	Direct injection	
Thermostat adjusting temperature (°C)	104/100		Fuel rail pressure (kPA)	22	
Min. opening pressure of radiator cap (kPA)	69				
Coolant capacity-engine only (L)	124				
Exhaust System			Lubricating System		
Max. Back Pressure (kPA)	10.1		Total system capacity (L)	135	
Electrical System			Oil pressure		
Starter (V)	24		Rated speed (kPA)	310-448	
Battery charging system (A)	35				

SGMS1250C

Control System

PLC-702

DSE-702 key manual start module is a manual engine control module designed to control the engine via a key switch and push buttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and giving a true first up fault condition of an engine failure.



Standard Control Function

- Manual Engine Control Module
- Low Oil Pressure
- High Engine Temperature
- Auxiliary Shutdown
- Overspeed Protection
- Protection hold-off timer
- Charge Failure warning

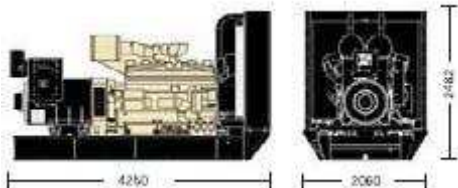
PLC-5220

DSE-5220 control pannel is applied

- | Microprocessor control, with high stability and credibility
- | Mains supply and generator operation monitoring
- | Indicating operation status and fault conditions
- | Multiple protections; multiple parameters display, like pressure, temp.
- | Manual and automatic work mode selectable
- | Real time clock for time and date display, overall runtime display, 99 log entries
- | Overall power output display
- | Integral speed/frequency detecting, telling status of start, rated operation, overspeed
- | Communication with PC via RS485 OR RS232 interface, using MODBUS protocol.



Dimension and Weight



SGMS1250C

Length × Width × Height, mm
4250×2060×2482

Weight (kg):
7411

SGMS1250C

Optional

Engine	Alternator	Generator Set	Fuel System	Canopy
<ul style="list-style-type: none"> • Coolant heater 	<ul style="list-style-type: none"> • Space heater • AVR PMG with regulator • Anti-damp and anti-corrosion treatment • Anti-condensation heater 	<ul style="list-style-type: none"> • Tools with the machine 	<ul style="list-style-type: none"> • Low fuel level alarm • Automatic fuel feeding system 	<ul style="list-style-type: none"> • Container
Lubricating System	Exhaust System	Cooling System	Control Panel	Voltages
<ul style="list-style-type: none"> • Oil with the machine 	<ul style="list-style-type: none"> • Protection board from hotness • Low frequency silencer 	<ul style="list-style-type: none"> • Front heat protection • 50°C radiator • Coolant (-30°C) 	<ul style="list-style-type: none"> • Remote control panel • Automatic paralleling control panel • Automatic Transfer Switch (ATS) 	<ul style="list-style-type: none"> • 415/240V • 400/230V • 380/220V • 220/127V • 200-115V



Local Distributor