

Standard Features

MODEL	GB-C100
Standby Power(60Hz)	88KW/110KVA
Prime Power(60Hz)	80KW/100KVA
Engine	Cummins 6BT5.9-G2
Alternator	STAMFORD UCI274C

- **Engine(CCEC Cummins 6BT5.9-G2)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD UCI274C),**
- single bearing alternator, Protection Class IP22, insulation class H/H
- Dry Type air filter, fuel filter, oil filter, pre-filter, absorber
- Main line circuit breaker
- Standard control panel
- Two 12V batteries, rack and cable
- Ripple flex exhaust pipe, Exhaust siphon, flange, muffler
- Operation manual



Generator Set Ratings

Voltage	Frequency	Phase	P.F (COS ϕ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	60	3	0.8	131	88/110	80/100
415/240	60	3	0.8	139	88/110	80/100
400/230	60	3	0.8	144.4	88/110	80/100
380/220	60	3	0.8	152	88/110	80/100

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (equiv ISO8528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation. Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency

Dimension Of Generator Set	
Dimension(L*W*H)/CM For Open Type	220×85×150 CM
Net Weight/KG For Open Type	1450KG
Dimension(L*W*H)/CM For Sound Proof Type	276×114×183 CM
Net Weight/KG For Sound Proof Type	1900 KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	6BT5.9-G2
	Manufacturer	DCEC Cummins
	Prime Power	100KW/134HP
	Standby Power	110KW/147HP
	Engine Configuration	6Cylinder In Line, 4Stroke
	Gas Feeding Model	Turbocharged
	Bore×Stroke	102×120 (MM)
	Displacement	5.9L
	Rated Speed	1800RPM
	Speed Governor	Electronic
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (100% load)	214 g/Kw.h
	Fuel Consumption Prime Power (75% load)	216 g/Kw.h
	Oil Consumption	≤4 g/kw.h
	Cooling System	Water Cool
	Compression Ratio	17.5:1
	Max Back Pressure	10KPA
	Max Intake Restriction	6.35KPA
Exhaust Temperature	497℃	

Specification Of Alternator

Alternator	Alternator Model	UCI274C
	Manufacturer	STAMFORD company
	Prime Output	80KW/107KVA
	Standby Output	88KW/118KVA
	Excitation Model	Brushless, Self-Exciting
	Cooling Method	Air Cooling
	Connection Type	3 Phase and 12 Wires "Star" Connection
	Power Factor	0.8
	Protection Class	IP22
	Insulation Class	H
	Altitude	≤1000m
	Voltage Regulation, Steady State	≤ ± 1%
	Telephone Influence Factor	< 50
	Sudden Voltage Warp (100% Sudden Reduce)	≤ ± 1%
	Sudden Voltage Warp (Sudden Increase)	≤ ± 25%
	Voltage Stable Time (100% Sudden Reduce)	≤ 6S
	Voltage Stable Time (Sudden Increase)	≤ 6S
	Frequency Reduce	0-5% adjustable
	Frequency Regulation, Stead State	≤ 1.5%
	Frequency Waving	≤ 0.8%
Sudden Frequency Warp (100% Sudden Reduce)	≤ +12%	
Sudden Frequency Warp (100% Sudden Increase)	≤ -10%	
Frequency Recovery Time (100% Sudden Reduce)	≤ 5S	
Frequency Recovery Time (Sudden Increase)	≤ 5S	
Compliance Stands	GB755,BS5000,VDE0530,NEMAMG1-22,IED34-1,CSA22.2 and AS1359	

Control Panel System



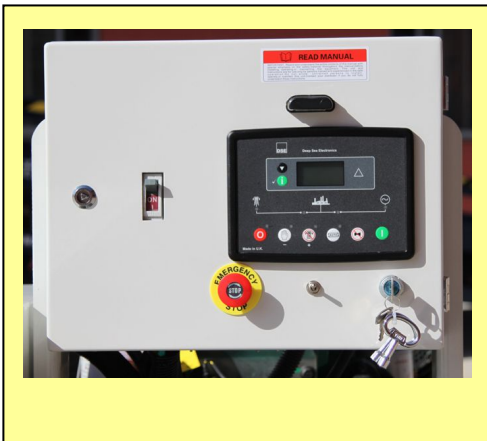
MONICAN CONTROL MODEL/ MANUAL OR ATS USE
 With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

1. Emergency Stop Button
- 2.Voltmeter and Selector Switch
3. Ammeter and Selector Switch
4. Frequency Meter
5. Hour Running Meter
- 6.Alart Buzzer

Control Panel System



SMARTGEN CONTROL MODEL/ MANUAL OR ATS USE
 USE

With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

Digital type, all function showed by LED

Control Panel System



DEEPSEA CONTROL MODEL/ MANUAL OR ATS USE
 USE

With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop
6. With Remote Teleport Communication RS 485

Parameters of Operation:

Digital type, all function showed by LED