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MODEL	GB-D60
Standby Power(50Hz)	52.8KW/66KVA
Prime Power(50Hz)	48KW/60KVA
Engine	DEUTZ BF4M2012
Alternator	GB POWER 224E

### Standard Features

- **Engine(DEUTZ BF4M2012)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD UCI224C),**
- 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 $\phi$ )	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	87	52.8/66	48/60
415/240	50	3	0.8	92	52.8/66	48/60
400/230	50	3	0.8	95.3	52.8/66	48/60
380/220	50	3	0.8	100.3	52.8/66	48/60

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



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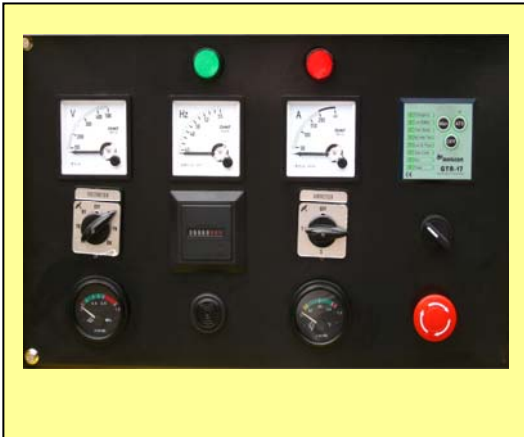
Dimension Of Generator Set	
Dimension(L*W*H)/CM For Open Type	180x75x146 CM
Net Weight/KG For Open Type	750KG
Dimension(L*W*H)/CM For Sound Proof Type	223x106x168 CM
Net Weight/KG For Sound Proof Type	1150 KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

FUEL TANK SYSTEM	
10 Hours Fuel Tank Capacity	120L

Specification Of Engine		
Engine	Engine Model	BF4M2012
	Manufacturer	DEUTZ COMPANY
	Prime Power	48KW/65.2HP
	Standby Power	52.8KW/71.8HP
	Engine Configuration	4Cylinder In Line, 4Stroke,Direct Injection
	Gas Feeding Model	Turbo Charged
	Bore× Stroke	101× 126 (MM)
	Displacement	4.03L
	Rated Speed	1500RPM
	Speed Governor	Mechanical speed controller,
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (110% load)	10.6L/H
	Fuel Consumption Prime Power (100% load)	9.6 L/H
	Compression Ratio	19.0:1
	Oil Change Intervals	500H
	Cooling System	Water Cool
	Exhaust Volume Flow	720 M <sup>3</sup> /H
	Air Consumption	241 M <sup>3</sup> /H
Exhaust Gas Flow	346 M <sup>3</sup> /H	
Exhaust Gas Temperature	500 °C	

Specification Of Alternator		
Alternator	Alternator Model	GB-224E
	Manufacturer	GB POWER company
	Prime Output	48KW/60KVA
	Standby Output	52.8KW/66KVA
	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 GB755,BS5000,VDE0530,NEMAMG1-22,IED34-1,CSA22.2 and AS1359 Stands		

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



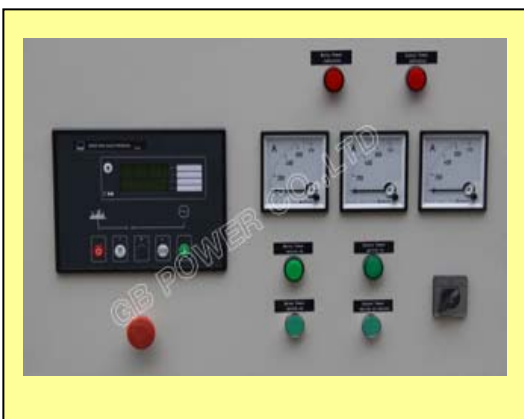
**SMARTGE CONTROL MODEL/ MANUAL OR ATS USE**

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:**

Digital type, all function showed by LED



**DEEPSEA 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:**

Digital type, all function showed by LED