



**DIESEL GENERATOR SET PM50SDG-2**

**SPECIFICATION**

MODEL	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
220V/60Hz	45.45KW	50KW	
PF:1.0	45.45KVA	50KVA	

**GENERAL INFORMATION**

Model	PM50SDG-2
Motor	Yangdong YD4EZLD
Alternator	SMF225D
Speed Control type	Mechanic
Phase	Single
Fuel Tank Capacity	84L
System Voltage	12V
Frequency	60HZ

**ENGINE**

Maximum output(kw)	68KW(60Hz)
Number of Cylinders	4
Aspiration	Turbo-charger with intercooler
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct injector
Cooling Type	Forced watercooling
Bore	105mm
Stroke	118mm
Displacement	4.1L
Compression Ratio	18:1

<b>FUEL CONSUMPTION</b>	1800 RPM
	L/hr
Standby Power(2)	13.0
Prime Power(1)	11.9
75% Prime Power(1)	8.9
50% Prime Power(1)	6.8

<b>DIMENSION</b>	OPEN	SILENT
Length (A)	1880mm	2580mm
Width (B)	760mm	880mm
Height (C)	1300mm	1290mm
Net Weight	800kg	1100kg

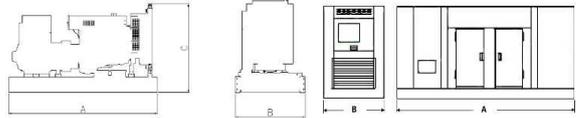
**Alternator**

Insulation	Clase"H"
Excitation Type	Self-excitation
Protection class	IP23
Protection class	IP23

**Certificates**

Engine	ISO 3046 BS 5514, DIN 6271
Alternator	UTE NFC 51-111-105-110
	ICE34-1, BS 5000-4999
	NEMA MG 21, VDE 0530
	ISO 8528

Generator Set



**Controller**

Samrtgen HGM6110N

Stop/Reset	Can stop generator under Manual/Auto mode;can reset shutdown alarm; Press this key at least 3 seconds to test panel indicators are OK or not (lamp test);During stopping process , press this key again can stop generator immediately.
Start	Start geneset under manual or manual test mode.
Manual	Pressing this key will set the module as Manual mode
Auto	Pressing this key will set the module as Auto mode
Gens close/Open	Can control gens to switch on or off in Manual mode.
Close	Can control gens to switch on in Manual mode.
Open	Can control gens to switch off in Manual mode
Set/Confirm	Press this key to enter menu interface Shift cursor to confirm in parameters setting menu.
Up/Increase	Screen croll Up cursor and increase value in setting menu.
Down/Decrease	Scroll screen Down cursor and decrease value in setting menu
Home/Return	Return to homepage when in main interface Exit when in parameters setting interface



(1)Prime Power: ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity

(2)Standby Power: Power available at variable load for up to a maximum of 500 hours during one year of which 300 hours may be for continuous use.

(3)Operation at Altitude ≤1500m, Ambient temperature ≤ 40°C).If altitude higher than 1500m, each 300m will cause additional de-rating 4%.