



DIESEL GENERATOR SET PM50SDGT-2

SPECIFICATION

	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
240/138V/60Hz	36KW	40KW	240/138v
PF:0.8	45KVA	50KVA	

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	PM50SDGT-2
Motor	Yangdong Y4102ZD
Alternator	SMF180F
Speed Control type	Mechanic
Phase	Three
Fuel Tank Capacity	80L
System Voltage	12V
Frequency	60HZ

ENGINE

Rated output(kw)	48KW(60Hz)
Number of Cylinders	4L
Aspiration	turbo charger
Cycle	4
Fuel Type	Diesel
Combustion Type	Director injector
Cooling Type	Forced watercooling
Bore	102mm
Stroke	118mm
Displacement	3.875 L
Compression Ratio	18:1

FUEL CONSUMPTION	1800 RPM
	L/hr
Standby Power(2)	11.0
Prime Power(1)	10.0
75% Prime Power(1)	7.5
50% Prime Power(1)	5.73

DIMENSION	OPEN	SILENT
Length (A)	1880mm	2480mm
Width (B)	760mm	880mm
Height (C)	1300mm	1290mm
Net Weight	795kg	1010kg

Alternator

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

Certificates

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



Controller

Samrtaen HGM7110N

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 genset 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%.