


# MDG30FS 30KVA at 50Hz

**SDG30FS Diesel Gen-set adopted YTO Power engine, XINGNUO Alternator and the world famous brand controlling system, which has high quality and in accordance with the standard system of ISO8528 and ISO 3046.**

Generator specification		
1.1	Set Model	MDG30FS
1.2	Prime Power	24kW/30KVA
1.3	Standby Power	26.4kW/33KVA
1.4	PHase & Wires	3 phase 4 wires
1.5	Power Factor	0.8
1.6	Rated Gen-set output	220V/380V 50HZ
1.7	Rated current	45A
1.8	Frequency drop	≤5%
1.9	Steady-state frequency band	≤1.5%
1.10	Steady-state voltage deviation	≤±2.5%
1.11	Frequency recovery time	≤3s
1.12	Voltage recovery time	≤4s
1.13	Rated Relative humidity	≤60%
1.14	Dimension (LxWxH)	2820*1020*1270mm
1.15	Weight	1200KG
1.16	Fuel tank capacity	80L (≥8h)
1.17	Protection class	IP23



1.18 Control System (optional)		Automatic control system		Warnings(W) and shut down alarm (S)	
		Panel Configure:			
		1	Automatic control module × 1 Deepsea 7220	1	Low oil pressure (W+S)
		2	Emergency stop button × 1	2	Coolant over temperature(W+S)
		3	AC main circuit breaker × 1	3	Failed start (W)
		4		4	Battery over and under voltage(W)
		<b>Digital display:</b>		5	Battery charge failure(W)
		1	Mains and generator voltage	6	Engine over and under speed (W+S)
		2	3-phase generator current	7	Generator over and und voltage(W+S)
		3	Mains and generator frequency	8	Generator over and und frequency (W+S)
		4	Out put(kva,kW,kvar,cos(phi)	9	KW overload trip (W)
		5	Battery voltage	10	Delayed over current(W)
		6	Engine speed	11	Emergency stop (W)
		7	Fuel level		
		8	Oil pressure		
		9	Water temperature		
		10	Run hours		
		manual control system		Protection functions with alarm :	
		Panel Configure:			
		1	Control module × 1 (deepsea 3110);	1	Low oil pressure;
		2	Ammeter × 1 (with chagneover switch)	2	High coolant temperature;
		3	Voltmeter × 1 (with chagneover switch)	3	Over speed;
		4	Coolant temperature meter × 1	4	Battery charge failure;
		5	Oil pressure meter × 1	5	Emergency stop .
		6	AC main circuit breaker × 1		
		7			
		8			
<p><b>Prime Power (PRP)</b> is the nominal output continuously available, where the average load (variable) does not exceed 80% of the prime power rating. 10% overload is available for a maximum of 1 hour in 12 hours of operation.</p> <p><b>Standby Power (LTP)</b> the maximum output available (at variable load), for up to 500 hours per year. The average load (variable) must not exceed 80% of the standby power rating. No overload is available.</p> <p><b>Standard Reference Conditions:</b> air inlet temperature 25°C (77°F), barometric pressure 100kPa [110m (361ft) altitude] and 30% relative humidity.</p> <p><b>Note:</b> The above ratings may be subject to derate at different operating conditions. Please see the Derate Guidelines on the SUMEC website. All power ratings and reference conditions in accordance with ISO 8528-1 and ISO 3046-1.</p>					