

MGTP 20 SHG-5

Ready to Rent 20kVA **Solar Hybrid Battery Diesel Generator**





REDUCE CO₂ EMISSIONS



REDUCE



REDUCE NOISE







EASY TO SELL

EASY TO HIRE

EASY TO SET UP

EASY TO OPERATE

EASY TO MANAGE

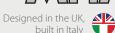
For more details call MHM TODAY

on **0808 168 9099**

Email sales@mhm-group.co.uk or visit us at www.mhm-group.co.uk













Ready to Rent //



Solar Hybrid Generators //

When looking for a robust, reliable, good quality solar hybrid battery diesel generator look no further than our solar hybrid generator range.

Solar, Hybrid Battery & Diesel Rugged & Reliable Power

Optional extras:





GPS Telemetry Tracker





Features

20kVA combined solar, battery and diesel generator power

Automatic self-charging Hybrid system

Fully adjustable roof mounted high efficiency solar panel

Lithium batteries

Yanmar diesel engine (Stage 5)

HVO (Hydrotreated Vegetable Oil) fuel approved

Exclusive MHM engine protection shutdown system

Linz alternator

30 mA RCD

Emergency stop button

Internal bund alarm

Fork pockets

Fully bunded base (110%)

Benefits

Ideal for low and variable temporary power applications over long periods of time

Completely automatic with nice, simple and easy user friendly usability

Providing power to support and maintain the internal batteries in all weather conditions

Robust, durable and long lasting

World class performance and water cooled

Suitable to run off either diesel, HVO or a mixture of both fuels

In the case of low fuel, low oil pressure, high engine temp and battery charge failure

Heavy duty and proven reliability

Electrical protection

A must on any UK site

For added site safety

For flexible, safe lifting

To retain all spilt fluids



Specification

Solar Hybrid System

Roof Mounted Solar Panel 220w (4 x 55w Panel	
Usable Battery Power	20 kWh
Inverter Make	Victron Quattro
Inverter Rated Power	15 kVA
Number of Inverters	3 (3 x 5 kVA)
Battery Type	Lithium LiFeP04

Battery Configuration	400AN-51.2V	
Battery Cycles	2500	
Depth of Discharge	90%	
Engine/Battery Mode Switchover		
Under 4800W	Battery Only	
Over 4800W	Engine Only	

Generator

Three Phase Power (400V)	20 kVA / 16 kW
Single Phase Power (230V)	6.6 kVA / 5.3 kW
Alternator	Linz

Insulation Class	Н
Mechanical Protection	IP23

Engine

_	_	
Make		Yanmar
Type 4TNV88 (Stage 5		
Fuel Diesel / HVO (HVO = BS EN 15940:2016		
Number o	f Cylinders	4
Power (HF)	27 kW
Engine Sp	eed (RPM)	1500 RPM

Cooling		Water
Fuel Consumption @75% Lo	oad (Litre/Hour)	4.6 Lph
CO2 Per Hour @ 75% Load		12.05Kg
Fuel Tank Capacity		250L
Control Panel Dee		osea 3110
Noise Level	LWA=88/ dba(@7m =68

Dimensions (Machine only)

Length: 2000 mm	Height: 1700 mm (Solar Panel Down);		
Width: 1200 mm	2180 mm (Solar Panel Up);		
Dry Weight (No Fuel): 1600 kg	Wet Weight Fuel Full): 1820 kg		

Dimensions (With road-tow kit, solar panel down)

Difficultion (Michigan	10111)		
Length: 4200 mm	Width: 1750 mm	Height: 2220 mm	
Dry Weight (No Fuel): 2090 kg		Wet Weight Fuel Full): 2310 kg	

6 1 4	3ph (400V)		1ph (230V)	
Socket Configuration	32A		32A	
Comigulation	Output	Input	Output	Input
MGTP 20 SHG-5	1	1	3	-
Hard wire facility	3ph (400V)		1ph (230V)	
MGTP 20 SHG-5	V		V	

Optional Extra

360W pop up solar panel (maximum of 4 in series) with plug and play MC4 connectors

For more details call MHM TODAY

on **0808 168 9099**

Email sales@mhm-group.co.uk or visit us at www.mhm-group.co.uk











