

# MGTP 20 SHG-5

Ready to Rent **20kVA**

**Solar Hybrid Battery Diesel Generator**



<p><b>REDUCE</b> CO<sub>2</sub> EMISSIONS</p>	<p><b>REDUCE</b> FUEL COSTS</p>	<p><b>REDUCE</b> NOISE</p>	<p><b>REDUCE</b> ENGINE MAINTENANCE COSTS</p>
---	---	--------------------------------	---

When looking for a robust, reliable, good quality solar hybrid generator look no further than our MGTP 20 SHG-5.

<p><b>USE &amp; STORE RENEWABLE POWER</b></p>	<p>Self charging hybrid power you can trust</p>	<p><b>NEVER BE WITHOUT POWER</b></p>
---	---	--------------------------------------



Optional extras:

- Road-tow Kit
- GPS Telemetry Tracker
- Power Performance Telemetry
- Solar Kit



<b>EASY TO SELL</b>	<b>EASY TO HIRE</b>	<b>EASY TO SET UP</b>	<b>EASY TO OPERATE</b>	<b>EASY TO MANAGE</b>
---------------------	---------------------	-----------------------	------------------------	-----------------------

For more details call **MHM TODAY** on **0808 168 9099**

Email [sales@mhm-group.co.uk](mailto:sales@mhm-group.co.uk) or visit us at [www.mhm-group.co.uk](http://www.mhm-group.co.uk)

**MHM GROUP**  
The Preferred Supplier

Designed in the UK, built in Italy

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:**



## 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 Panels)	Battery Configuration	400Ah-51.2V
Usable Battery Power	20 kWh	Battery Cycles	2500
Inverter Make	Victron Quattro	Depth of Discharge	90%
Inverter Rated Power	15 kVA	<b>Engine/Battery Mode Switchover</b>	
Number of Inverters	3 (3 x 5 kVA)	Under 4800W	Battery Only
Battery type	Lithium LiFePO4	Over 4800W	Engine Only

### Generator

Three Phase Power (400V)	20 kVA / 16 kW	Insulation Class	H
Single Phase Power (230V)	6.6 kVA / 5.3 kW	Mechanical Protection	IP23
Alternator	Linz		

### Engine

Make	Yanmar	Cooling	Water
Type	4TNV88 (Stage 5)	Fuel Consumption @75% Load (Litre/Hour)	4.6 Lph
Fuel	Diesel / HVO (HVO = BS EN 15940:2016 Only)	CO2 Per Hour @ 75% Load	12.05Kg
Number of Cylinders	4	Fuel Tank Capacity	250L
Power (HP)	27 kW	Control Panel	Deepsea 3110
Engine Speed (RPM)	1500 RPM	Noise Level	LWA=88/ dba@7m =68

### Dimensions (Machine only)

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

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

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

### Socket Configuration

	3ph (400V)		1ph (230V)	
	Output	Input	Output	Input
MGTP 20 SHG-5	1	1	3	-

### Hard wire facility

	3ph (400V)	1ph (230V)
MGTP 20 SHG-5	✓	✓

### 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](mailto:sales@mhm-group.co.uk) or visit us at [www.mhm-group.co.uk](http://www.mhm-group.co.uk)



Designed in the UK,  
built in Italy

