

# MGTP 3500 SHG-5

Ready to Rent **3.5kVA**

**Solar Hybrid Battery Diesel Generator**



**REDUCE CO<sub>2</sub> EMISSIONS** | **REDUCE FUEL COSTS** | **REDUCE NOISE** | **REDUCE ENGINE MAINTENANCE COSTS**

When looking for a robust, reliable, good quality solar hybrid generator look no further than our MGTP 3500 SHG-5.

**USE & STORE RENEWABLE POWER** | **Self charging hybrid power you can trust** | **NEVER BE WITHOUT POWER**



Optional extras:

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



**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](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

## Features

3.5kVA combined solar, battery and diesel generator power

Automatic self-charging Hybrid system

Fully adjustable roof mounted high efficiency solar panel

Lithium batteries

Kohler diesel engine (Stage 5)

HVO (Hydrotreated Vegetable Oil) fuel approved

Exclusive MHM engine protection shutdown system

3 way fuel valve

Linz alternator

Variable 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

Easy connectivity to an external fuel tank

Heavy duty and proven reliability

Flexible protection

A must on any UK site

For added site safety

For flexible, safe lifting

To retain all spilt fluids



Stage 5  
Engine



LOMBARDINI  
**KOHLER**  
2 Year Engine  
Warranty (Limited)

## Specification

### Performance

Max. Generator Output	3.5kVA/2.8kW	Engine Mode/ Battery Mode Switch Over	
Voltage	230V – 1ph	Over 2000W Load = <b>Engine Only</b>	
Battery Storage	7.7kWh – 4 x 230 Ah/12V DC	Under 2000W Load = <b>Battery Only</b>	
Battery Type	Lithium	Noise Level - Generator Mode	LWA=87 dba@7m=62
Insulation Class	H	Noise Level - Battery Mode	= 0
Mechanical Protection - IP	23	Roof Mounted Solar Panel	215W

### Engine

Make	Kohler	Fuel Tank Capacity (Litres)	200
Type	TBA (Stage 5)	Diesel Generator Runtime 'Constant Load'@ 75% (Hrs)	111
Fuel	Diesel / HVO (HVO = BS EN 15940:2016 Only)	Battery Only Run Time "Constant Load" (Hours)	
Number of Cylinders	3	1900W	3.5   1200W
Power (HP)	14	600W	14   400W
Engine Speed (RPM)	1500	CO <sub>2</sub> Per Hour @ 75% Load	4.7 kg
Cooling	Water	Battery Recharge Time (Hrs)	Empty to Full = 28 Hrs
Fuel Consumption @ 75% Load (Litres/hour)	1.8	Starting System	Deepsea 3110

### Dimensions (Machine only)

Length: 1730 mm	Height: 1520 mm (Solar Panel Down);
Width: 1080 mm	2055 mm (Solar Panel Up);
Dry Weight (No Fuel): 1050 kg	Wet Weight (Fuel Full): 1210 kg

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

Length: 3810 mm	Width: 1770 mm	Height: 2020 mm
Dry Weight (No Fuel): 1550 kg	Wet Weight (Fuel Full): 1710 kg	

### Socket Configuration

	1ph (230V)			
	32A		16A	
	Output	Input	Output	Input
MGTP 3500 SHG-5	1	1	2	-

### Optional Extra

215W Solar Kit – 215W per panel "Plug & Play"	Maximum of 4
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