

# MGTP 10000 SHG

Ready to Rent **10kVA**  
**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 10000 SHG.

**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

Optional extras:



Road-tow Kit



GPS Telemetry Tracker



Power Performance Telemetry



Solar Kit

## Features

10kVA combined solar, battery and diesel generator power

Automatic self-charging Hybrid system

Fully adjustable roof mounted high efficiency solar panel

AGM Lead Acid Batteries

Kubota diesel engine

HVO (Hydrotreated Vegetable Oil) fuel approved

Exclusive MHM engine protection shutdown system

3 way fuel valve

Zanardi alternator

30 mA RCD

Emergency stop button

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

Electrical protection

A must on any UK site

For flexible, safe lifting

To retain all spilt fluids



## Specification

### Solar Hybrid System

|                          |                |                                       |              |
|--------------------------|----------------|---------------------------------------|--------------|
| Roof Mounted Solar Panel | 1 x 215 w      | Battery Configuration                 | 460Ah-48V    |
| Usable Battery Power     | 11 kWh         | Battery Cycles                        | 500          |
| Inverter Make            | Victron Quatro | Depth of Discharge                    | 70%          |
| Inverter Rated Power     | 3 kVA          | <b>Engine/Battery Mode Switchover</b> |              |
| Number of Inverters      | 1              | Under 3000W                           | Battery Only |
| Battery type             | AGM Lead Acid  | Over 3000W                            | Engine Only  |

### Generator

|                           |               |                       |      |
|---------------------------|---------------|-----------------------|------|
| Single Phase Power (230V) | 10 kVA / 8 kW | Insulation Class      | H    |
| Alternator                | Zanardi       | Mechanical Protection | IP23 |

### Engine

|                     |  |   |                    |
|---------------------|--|---|--------------------|
| Make                | Kubota                                     | Cooling                                 | Water              |
| Type                | D1105                                      | Fuel Consumption @75% Load (Litre/Hour) | 1.9 Lph            |
| Fuel                | Diesel / HVO (HVO = BS EN 15940:2016 Only) | CO2 Per Hour @ 75% Load                 | 4.98 Kg            |
| Number of Cylinders | 3  | Fuel Tank Capacity                      | 200L               |
| Power (HP)          | 13.7 kW                                    | Control Panel                           | Deepsea 3110       |
| Engine Speed (RPM)  | 1500 RPM                                   | Noise Level                             | LWA=88/ dba@7m =68 |

### Dimensions (Machine only)

|                               |  |
|-------------------------------|--|
| Length: 1720 mm               | Height: 1500 mm (Solar Panel Down);<br>2050 mm (Solar Panel Up); |
| Width: 1020 mm                |  |
| Dry Weight (No Fuel): 1050 kg | Wet Weight Fuel Full): 1250 kg                                   |

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

|                               |                                |                 |
|-------------------------------|--------------------------------|-----------------|
| Length: 3810 mm               | Width: 1770 mm                 | Height: 2030 mm |
| Dry Weight (No Fuel): 1350 kg | Wet Weight Fuel Full): 1550 kg |                 |

### Socket Configuration

|                | 1ph (230V) |       | 1ph (230V) |       |
|----------------|------------|-------|------------|-------|
|                | 32A        | 16A   | 16A        | 32A   |
|                | Output     | Input | Output     | Input |
| MGTP 10000 SHG | 1          | 1     | 2          | -     |

### 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

