

MGTP 6000 SHG-5

Ready to Rent **6kVA**

Solar Hybrid Battery Diesel Generator

**READY TO
RENT**
SPECIFICATION



REDUCE
CO₂
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 6000 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

**HVO
FUEL
APPROVED**

**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@mhmplant.com or visit us at www.mhmplant.com



Designed in the UK,
built in Italy



GROUP
The Preferred Supplier



Ready to Rent //

MHM SOLAR HYBRID-GEN

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

6kVA combined solar, battery and diesel generator power

Automatic self-charging Hybrid system

Fully adjustable roof mounted high efficiency solar panel

AGM sealed lead acid 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	6kVA/4.8kW	Engine Mode/ Battery Mode Switch Over	
Voltage	230V – 1ph	Over 2000W Load = Engine Only	
Battery Storage	7.7kWh – 4 x 230 Ah/12V DC	Under 2000W Load = Battery Only	
Battery Type	AGM Sealed Lead Acid	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
Power (HP)	14	1200W	6.5
Engine Speed (RPM)	1500	600W	14
Cooling	Water	400W	19
Fuel Consumption @ 75% Load (Litres/hour)	1.8	CO ₂ Per Hour @ 75% Load	4.7 kg
		Battery Recharge Time (Hrs)	Empty to Full = 21 Hrs
		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 6000 SHG-5	1	1	2	-

Optional Extra

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