



## SLEEPER HC-MG5i Diesel Inverter Marine Generator

Thanks to the PMG inverter technology, the Sleeper generator HC-MG5i is possible to be made into the smallest, quietest and most powerful of its kind. It delivers the ideal power quality for all on-board appliances such as air-conditioning system, washing machine, cooking devices, battery charging and other AC powered devices. The sleeper generators are 100% water-cooled and equipped with the highly regarded sound insulation. They are specially designed to be light and compact, up to 30% weight and space savings.



### Product features

- Reliable Sleeper water-cooled diesel engine ensure product reliability
- High efficient water-cooled permanent magnet alternator technology
- Extremely compact size and light weight for installation
- Extremely silent by aluminum composite material cabinet
- Virtually vibration free
- Outstanding voltage stability and pure sines wave are ideal for sensitive electronics
- Inverter technology saves fuel about 30% and environmentally friendly
- Local and remote digital display control panel with highly intelligent multi-function protection
- Parallel technology enables more power and cost saving



## SLEEPER HC-MG5i Marine Generator Specification

MAIN SPECIFICATIONS	
Model	HC-MG5i
Nominal voltage(V)	230 / 120
Frequency(Hz)	50 / 60
Number of phases	1
Intermittent power	4kW / 5kVA
Continuous power	3.5kW / 4.4kVA
Noise(dBa/7m)	53
Rpm range	2400 - 3000, adjustable
Cooling system	Heat exchanger
Harmonic distortion	≤3%
Frequency stability	±0.1%
Alternator technology	Water-cooled, Brushless, Permanent Magnet
Generator control	PMG Inverter
Inverter (with DDC local)	PMGi 5
Control Panel	Digital Display Control (DDC local + DDC remote)
DIESEL ENGINE SPECIFICATIONS	
Engine model	SLEEPER SP12
Engine power output	8kW / 3000rpm
Cylinder	1
Displacement(cc)	499
Bore x stroke (mm)	92 × 75
Fuel consumption	250 g/kWh
Start battery capacity	12VDC / 120Ah
Starter battery charge method/ current	Handy charger 12V /7A
Lubricant	At least CF
Oil capacity(L)	1.65
DIMENSIONS & WEIGHT	
Dimensions (LxWxH)	450 x 450 x 558 mm
Dry Weight	80 kg
Water inlet hose	Ø19mm
Exhaust hose	Ø40mm
Fuel Hose	Ø 8mm
Siphon breaker	Ø19mm

## Standard Item List of Marine Generator HC-MG5i

No.	Item	Specification	Amount	Unit
1	Marine generator	HC-MG5i, 3.5kW230V50Hz	1	sets
2	Remote control panel	with 15 meters cable	1	sets
3	PMG inverter	PMGi 5, 3.5kW230V50Hz	1	sets
4	Water lock	200x200, $\phi$ 40mm	1	pcs
5	Exhaust hose	$\phi$ 40mm	2	meters
6	Expansion tank	with bracket & 2m water hose	1	sets
7	Electric fuel pump	12V	1	pcs
8	Fuel-water separator	$\phi$ 8mm	1	sets
9	Syphon breaker	$\phi$ 19mm	1	pcs
10	Seawater filter	$\phi$ 19mm	1	pcs
11	Non-return valve	$\frac{3}{4}$ "	1	pcs
12	Seawater pump	12V	1	sets
13	Handy charger	12V7A	1	sets
14	Battery switch		1	pcs
15	Clamps	$\phi$ 10-16mm	10	pcs
16	Clamps	$\phi$ 40-60mm	4	pcs
17	Screw	M8x25	20	pcs
18	Oil filling funnel		1	pcs
19	User's manual		1	sets



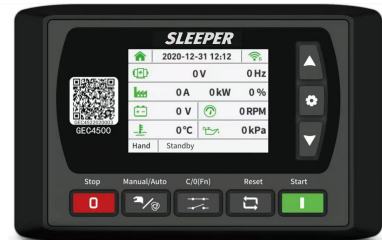


## Generator Controller Panel GEC4500

The GEC4500 series controller provides remote start/stop and advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

### General Description:

- Overall Dimension: 152 x 100 x 84.7mm
- Panel Cutout: 116 x 90mm
- Weight: 320g
- Voltage supply: 8V - 35V
- Operating temperature: -25+70 °C
- RS485, CAN bus output with SAEJ1939 protocol



### Digital Display Information:

- Voltage (V) ● Frequency (Hz) ● Current (A) ● Power (kW) ● Oil Pressure(bar)
- Coolant Temperature (°C) ● Battery Voltage (V) ● RPM ● Fuel level
- Running hours ● History log

### Alarm:

- High temperature ● Over speed ● Over load ● Over current ● Short circuit
- Low oil pressure ● Over/Under voltage ● Over/Under frequency ● Emergency stop

### Warnings

- Over/Under battery voltage ● Maintenance request

## Dimensions

