

# Diesel Inverter Marine Generator

# SLEEPER H-MG12i

Thanks to the PMG inverter technology, the Sleeper generator H-MG12i 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 Kubota 3 cylinder 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



**Light | Small | Compact | Quiet**

**[www.sleeper-generator.com](http://www.sleeper-generator.com)**

## H-MG12i

81223050	230 V / 50 Hz	81223060	230 V / 60 Hz
81212050	120 V / 50 Hz	81212060	120 V / 60 Hz

### MAIN SPECIFICATIONS

Nominal voltage(V)	230 / 120
Frequency(Hz)	50 / 60
Number of phases	1
Intermittent power	10kW / 12.5kVA
Continuous power	9kW / 11.2kVA
Noise(dBa/7m)	51
Rpm range	2200 - 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 12
Control Panel	Digital Display Control (DDC local + DDC remote)

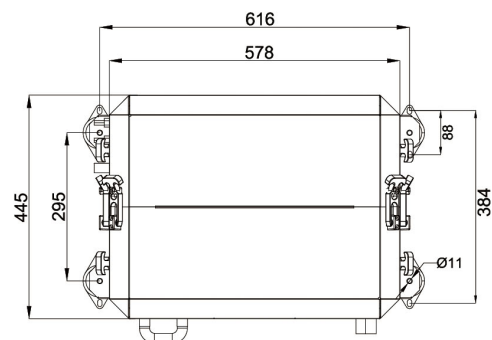
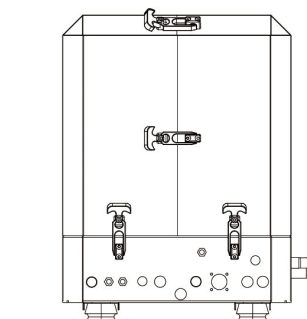
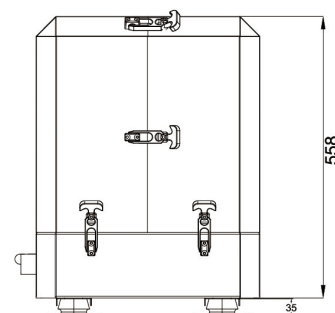
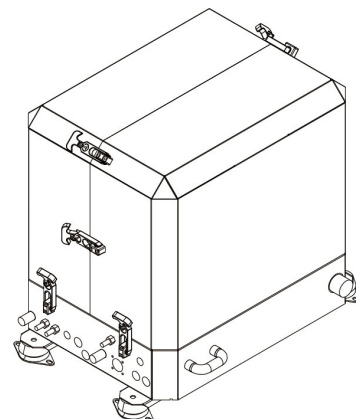
### DIESEL ENGINE SPECIFICATIONS

Engine model	Kubota D722
Engine power output	12.4kW / 3000rpm
Cylinder	3
Displacement(cc)	719
Bore x stroke (mm)	67 × 68
Fuel consumption	1.5 - 3.3
Start battery capacity	12VDC / 80Ah
Starter battery charge method/ current	Alternator 12 V /14A
Lubricant	At least CF
Oil capacity(L)	3.8

### DIMENSIONS & WEIGHT

Cabinet dimensions (LxWxH)	578 x 445 x 558 mm
Cabinet weight	142 kg
Water inlet hose	Ø19mm
Exhaust hose	Ø40mm
Fuel Hose	Ø 8mm
Siphon breaker	Ø19mm

## Dimensions



## STANDARD ACCESSORIES

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1.Remote control panel with 15m cable | 2. PMG Inverter                      |
| 3. Waterlock with 2m exhaust hose     | 4. Expansion tank with 2m water hose |
| 5.Electric fuel pump                  | 6. Fuel-water separator              |
| 7.Syphon breaker                      | 8. Seawater filter                   |
| 9.Non-return valve                    | 10.Clamps and screws                 |
| 11.User's manual                      |                                      |

## Generator Control 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:

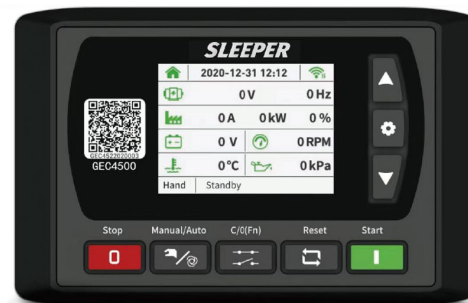
- Overall Dimension : 152 x 100 x 84.7mm
- Panel Cutout: 116 x 90mm
- Weight: 320g
- Voltage supply: 8V - 35V
- Operating temperature: -25+70 °C
- RS485, CAN bus output with SAEJ1939 protocol

### 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



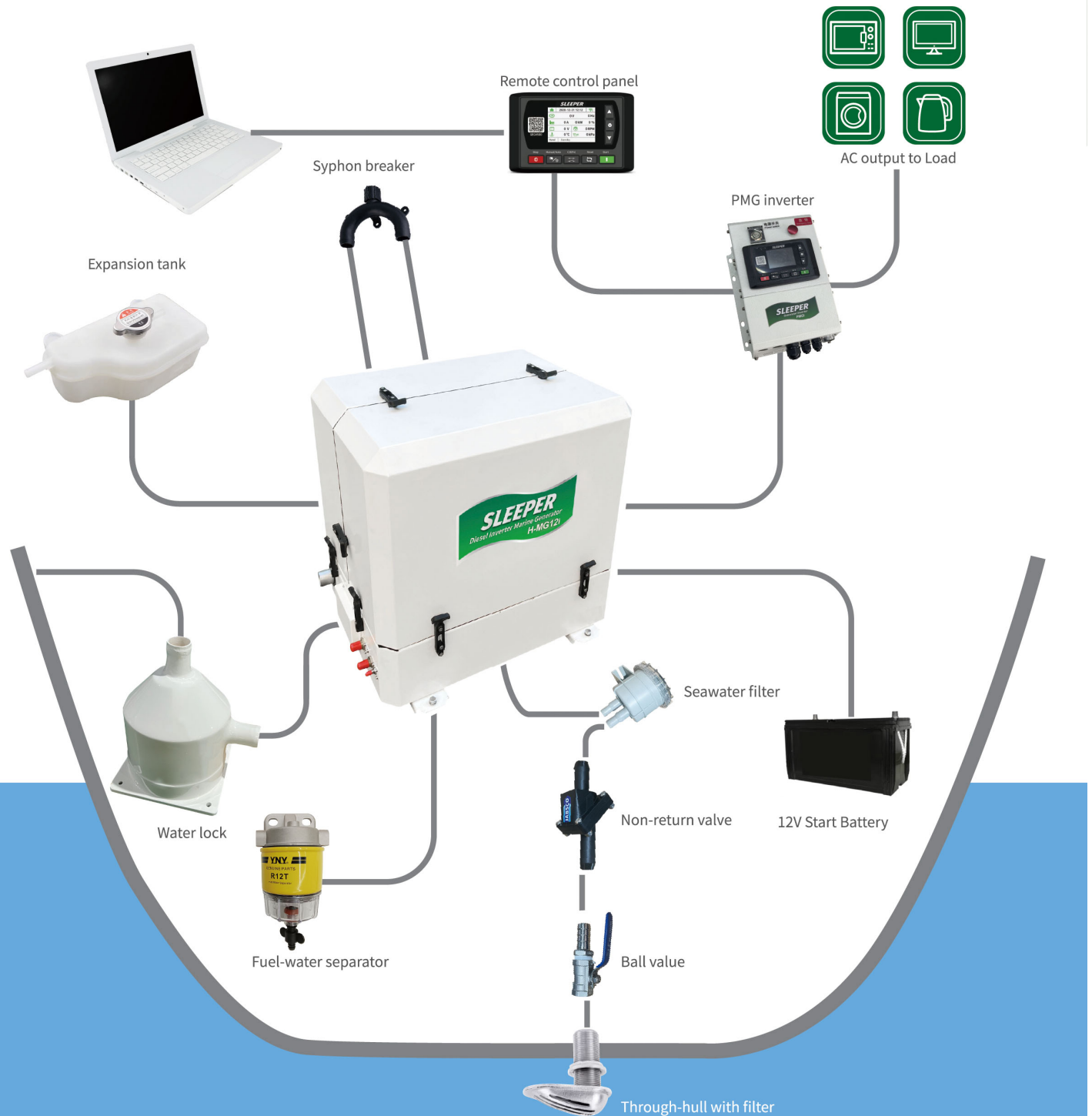
Generator Control Panel

### Warnings

- Over/Under battery voltage
- Maintenance request

# Installation system

This diagram showcases a complete view of necessary installation facilities for a single Sleeper generator. We highly recommend our respectful users to exclusively employ the facilities originally offered by us.



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