

# Diesel Inverter Marine Generator

# SLEEPER H-MG10i

Thanks to the PMG inverter technology, the Sleeper generator H-MG10i 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-MG10i

|          |               |          |               |
|----------|---------------|----------|---------------|
| 81023050 | 230 V / 50 Hz | 81023060 | 230 V / 60 Hz |
| 81012050 | 120 V / 50 Hz | 81012060 | 120 V / 60 Hz |

### MAIN SPECIFICATIONS

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Nominal voltage(V)        | 230 / 120                                        |
| Frequency(Hz)             | 50 / 60                                          |
| Number of phases          | 1                                                |
| Intermittent power        | 8.6kW / 10.8kVA                                  |
| Continuous power          | 8kW / 10kVA                                      |
| 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 10                                          |
| Control Panel             | Digital Display Control (DDC local + DDC remote) |

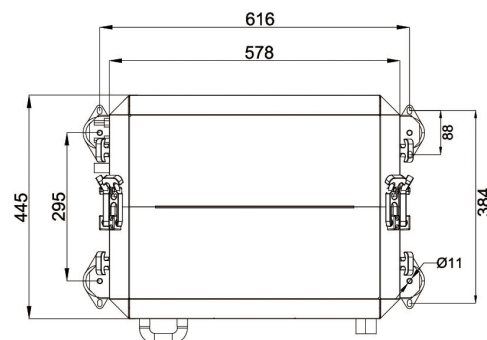
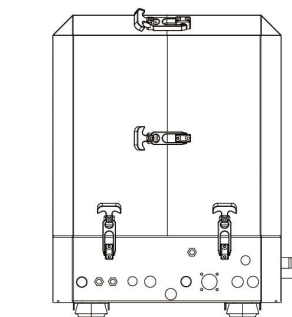
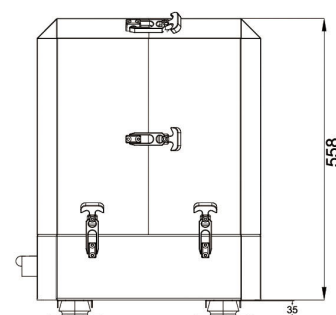
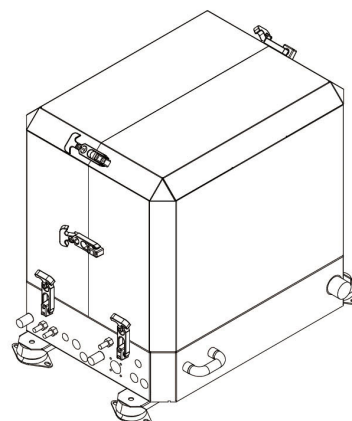
### DIESEL ENGINE SPECIFICATIONS

|                                        |                      |
|----------------------------------------|----------------------|
| 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              |
| 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             | 140 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



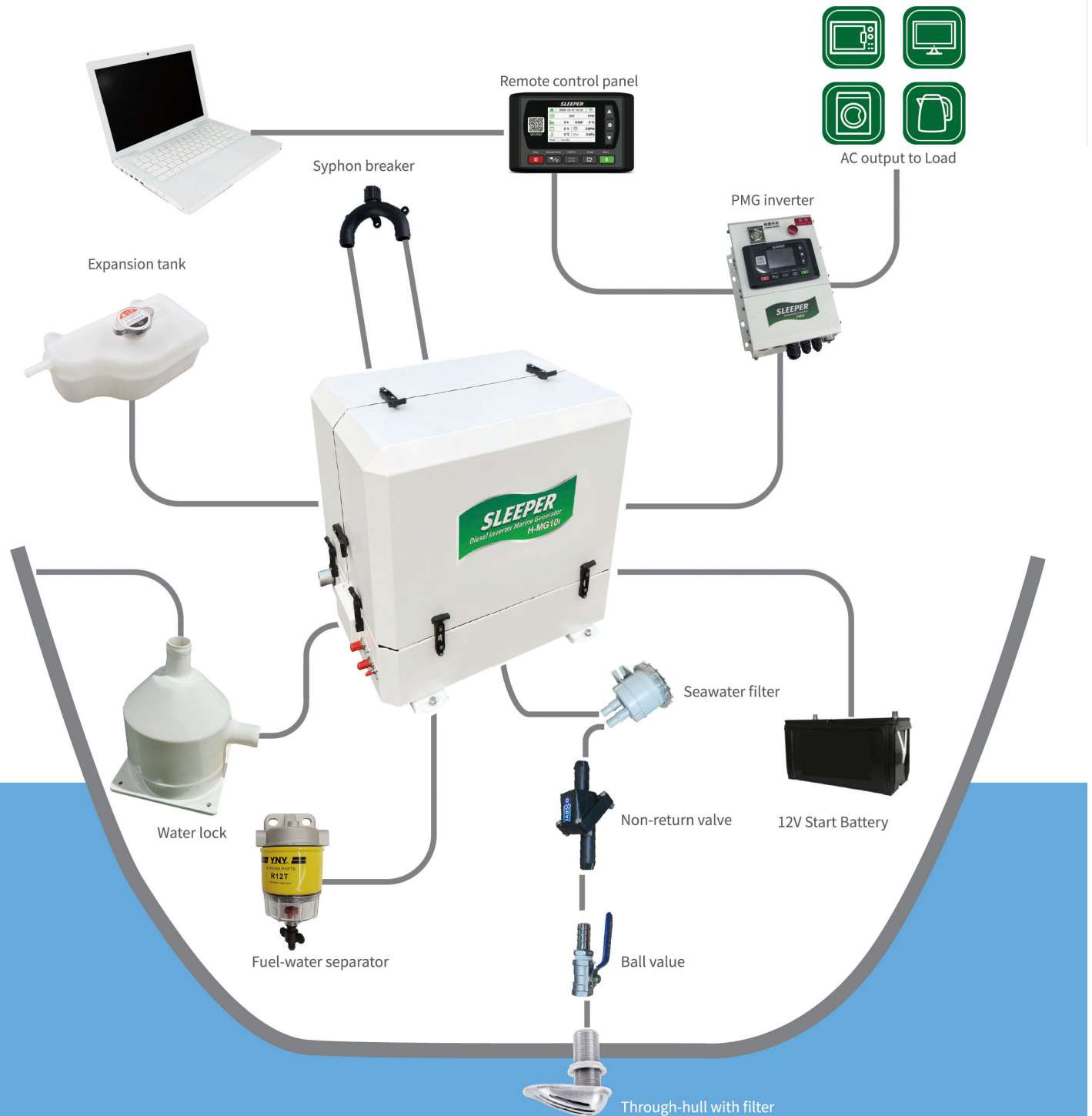
Generator Control Panel

### 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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