



Marine Generators

for boats and yachts

Light / Small / Compact / Super Quiet





COMPANY BRIEF

Powersan Makina Sanayi Tic.Ltd.Sti was founded 2007. Our company is a modernizedscale integrated company contributing to R&D, manufacturing and selling electrical gensets. We have an over 7000 square meters manufacturing workshop to complete the production and packaging of electrical gensets. Our products have 8 series and over 100 products specifications. All of our products match the requirements of international quality standarts and our multiseries products have been proved by CE with the quality management of ISO9001.

Watercooled diesel electrical genset is te main product of our company, using famous international engine brands including Cummins, Volvo, Perkins and adapting the technology of noise reduction. We produce over 2000 gensets across buildings, hospitals, hotels, telecommunication stations, databases, municipal engineering, mining industries, with power in a range of 5 Kw to 1200 Kw. We also produce series of STC and SLG gensets with mature techniques. They are wideli used in areas of agriculture, individual households, breeding cultivation etc. We are selling our products in distant markets in Europe, Southeast Asia, Africa and Middle East.

Recently, our company is handled by introducing talents, purchasing digital and product testing equipment, establishing R&D technology center for production of new products with special R&D fund. Our R&D center tests the new product in multiple steps and then put them into manufacturing channel. Our company consists of development of scientific and technological innovations while ;maintaining the diversified company culture.





10 Good Reasons to Buy Powersan Generators

01

Small

Little space requirements and up to 30% smaller than our competitors.

02

Light

You can save up to 50 % in weight.

03

Quiet

Maximum comfort by water-cooling. The quieter generator available on the market today.

04

Inverter Technology

Adjust the generator speed automatically according to the load and save about 30% fuel consumption.

05

Green

Powersan generators are environmental-friendly and meet the higher emission standards.

06

Customer Service

We provide qualified training and commissioning and offer 24/7 hotline service and support around the clock.

07

Customized Solutions

We offer custom built generators according to your requirements.

08

High quality

Reliable energy supply, excellent voltage stability and pure sine wave.

09

Reliability

Over 20 years of quality and experience.

10

Customer Satisfaction

Your satisfaction is our motivation.



About Powersan “i” Series Diesel Silent Marine Generators

Powersan marine inverter generators use variable speed technology which can adjust engine speed automatically according to electrical load. Traditional generators usually run at a fixed speed of 1500/3000rpm which results in engine inefficiency. By adjusting the speed of the engine automatically according to electrical load, Sleeper generators become more energy-saving, environmentally friendly, efficient, and super silent compared to our competitors, meanwhile, extending the maintenance time and engine life.

Thanks to our unique innovative energy-saving inverter technology, Sleeper variable speed marine generators are extremely compact, small, light, quiet, efficient, and energy-saving. A water-cooled diesel engine and alternator in a specially designed sound shield make the generators extremely silent and low vibration level.

Our inverter marine generator's outstanding voltage stability and pure sines wave are ideal for sensitive electronics such as computers, air conditioning systems, or battery charging systems. Advanced inverter technology also enables our generators to be connected in parallel to achieve higher power output to meet customer needs while saving a lot of costs.



Product Features

- 1 Worldwide well-recognized Yanmar or Kubota water-cooled engines ensure product reliability
- 2 Water-cooled permanent magnet alternator
- 3 Extremely Silent - Patented structural design and special materials sound-proof shield effectively reduce the noise and vibration
- 4 Small size and light weight is more suitable for marine compact installation
- 5 Environmentally friendly - Inverter technology saves fuel by about 30%
- 6 Outstanding voltage stability and pure sines wave are ideal for sensitive electronics
- 7 Easy operation with local and remote 2 digital display control panel
- 8 Highly intelligent multi-function protection
- 9 Parallel technology enables more power and cost saving
- 10 Dual circuit cooling system
- 11 Convenient maintenance - one-sided maintenance services

Powersan Series Diesel Inverter Silent Marine Generator



Generator		
Model	HC-MG5i	HC-MG6i
Dimensions (LxWxH)(mm)	450*450*558	450*450*558
Net weight(Kg)	91	93
Noise(dBa/7m)	53	53
Cooling system	Dual circuit freshwater cooling via heat exchanger	
Performance		
Frequency(Hz)	50 / 60	50 / 60
Output Voltage(V)	230 /120	230 /120
Voltage stability	≤3%	≤3%
Frequency Stability	±0.1%	±0.1%
Max power (kW)	4.0	5.5
Continuous power(kW)	3.5	5
Voltage regulation	Electronic	Electronic
Frequency regulation	Electronic	Electronic
Control		
Start system	12VDC	12VDC
Auto start	Integrated	Integrated
Control panel	Digital display control (DDC local + DDC remote)	
Inverter (with DDC local)	PMGi 5	PMGi 6
Engine		
Engine brand	SLEEPER	SLEEPER
Engine model	SP12	SP12
Cylinder	1	1
Displacement(cc)	499	499
Speed(rpm)	2200-3000adjustable	2200-3000adjustable
Fuel	Diesel	Diesel
Consumption (L/hr)	0.8-1.3	1-1.5
Oil capacity(L)	1.65	1.65

Disclaimer:

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Powersan Series Diesel Inverter Silent Marine Generator



Generator					
Model	H-MG5i	H-MG6i	H-MG8i	H-MG10i	H-MG12i
Dimensions (LxWxH)(mm)	478*445*558	478x445x558	478x445x558	578x445x558	578x445x558
Net weight(Kg)	108	118	120	140	142
Noise(dBa/7m)	51	51	51	51	51
Cooling system	Dual circuit freshwater cooling via heat exchanger				
Performance					
Frequency(Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Output Voltage(V)	230 /120	230 /120	230 /120	230 /120	230 /120
Voltage stability	≤3%	≤3%	≤3%	≤3%	≤3%
Frequency Stability	±0.1%	±0.1%	±0.1%	±0.1%	±0.1%
Max power (kW)	4.0	5.5	6.4	8.6	10
Continuous power(kW)	3.5	5	6	8	9
Voltage regulation	Electronic	Electronic	Electronic	Electronic	Electronic
Frequency regulation	Electronic	Electronic	Electronic	Electronic	Electronic
Control					
Start system	12VDC	12VDC	12VDC	12VDC	12VDC
Auto start	Integrated	Integrated	Integrated	Integrated	Integrated
Control panel	Digital display control (DDC local + DDC remote)				
Inverter (with DDC local)	PMGi 5	PMGi 6	PMGi 8	PMGi 10	PMGi 12
Engine					
Engine brand	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA
Engine model	Z482	Z482	Z482	D722	D722
Cylinder	2	2	2	3	3
Displacement(cc)	479	479	479	719	719
Speed(rpm)	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel
Consumption (L/hr)	1.3-1.8	1.5-2.1	1.5-2.5	1.5-3	1.5-3.3
Oil capacity(L)	2.5	2.5	2.5	3.8	3.8

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Powersan Series Diesel Inverter Silent Marine Generator



Generator					
Model	H-MG15i	H-MG20i	H-MG25i	H-MG30i	H-MG35i
Dimensions (LxWxH)(mm)	648x445x558	890x590x690	890x590x690	950x590x690	950x590x690
Net weight(Kg)	180	265	275	348	358
Noise(dBa/7m)	51	51	51	51	51
Cooling system	Dual circuit freshwater cooling via heat exchanger				
Performance					
Frequency(Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Output Voltage(V)	230 /120 /400V	230 /120 /400V	230 /120 /400V	230 /120 /400V	230 /120 /400V
Voltage stability	≤3%	≤3%	≤3%	≤3%	≤3%
Frequency Stability	±0.1%	±0.1%	±0.1%	±0.1%	±0.1%
Max power (kW)	12.6	16	22	26	30
Continuous power(kW)	12	15	20	25	28
Voltage regulation	Electronic	Electronic	Electronic	Electronic	Electronic
Frequency regulation	Electronic	Electronic	Electronic	Electronic	Electronic
Control					
Start system	12VDC	12VDC	12VDC	12VDC	12VDC
Auto start	Integrated	Integrated	Integrated	Integrated	Integrated
Control panel	Digital display control (DDC local + DDC remote)				
Inverter (with DDC local)	PMGi 15	PMGi 20	PMGi 25	PMGi 30	PMGi 35
Engine					
Engine brand	KUBOTA	YANMAR (KUBOTA)	YANMAR (KUBOTA)	YANMAR (KUBOTA)	YANMAR (KUBOTA)
Engine model	D902	3TNV88	3TNV88	4TNV88	4TNV88
Cylinder	3	3	3	4	4
Displacement(cc)	898	1642	1642	2190	2190
Speed(rpm)	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable	2200-3000adjustable
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel
Consumption (L/hr)	1.5-4	1.5-4.8	1.5-6.4	1.5-8	1.5-9
Oil capacity(L)	3.7	6.7	6.7	7.4	7.4

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About Powersan “L” Series (Low speed 1500/1800 RPM) Diesel Silent Marine Generators

Powersan marine speed 1500/1800rpm generators are designed to run at a low engine speed in harsh environments for a long time working. They are much larger and heavier than 3000 RPM generators but more durable and reliable and quiet. Sleeper 1500rpm marine generators are extremely robust, compact, silent, and reliable built in a super quiet soundproof shield.

We use worldwide renowned water-cooled diesel engines such as Yanmar or Kubota and Sleeper high-quality alternators to ensure consistent and stable performance of the generators. This series of generators range in power from

8kva to 50kva and are mainly used in marine applications requiring high quality and uninterrupted power supply to meet a wide variety of power needs. The sleeper 1500/1800rpm marine generator is extremely durable and stable and has become the choice for high-end leisure and commercial boats and yachts!



Product Features

- 1 Worldwide well-recognized Yanmar or Kubota water-cooled engines ensure product reliability
- 2 High-quality brushless alternator
- 3 Significantly silent and low vibration due to low speed and heavy-duty design with a sound-proof shield
- 4 Robust AVR voltage regulator
- 5 Easy operation with local and remote 2 digital display control panel
- 6 Highly intelligent multi-function protection
- 7 Sine waves are ideal for sensitive electronics
- 8 Automatic start
- 9 Dual circuit cooling system cooling efficiency
- 10 Convenient maintenance - one-sided maintenance services
- 11 Parallel function optional

Powersan "L" Series 1500/1800 RPM Diesel Silent Marine Generator



Generator				
Model	H-MG12L	H-MG15L	H-MG20L	H-MG25L
Dimensions (LxWxH)(mm)	930x590x690	1030x590x690	1100x620x765	1230x680x800
Net weight(Kg)	350	380	440	490
Noise(dBa/7m)	51	51	51	51
Cooling system	Dual circuit freshwater cooling via heat exchanger			
Performance				
Frequency(Hz)	50 / 60	50 / 60	50 / 60	50 / 60
Output Voltage(V)	230 / 120 / 400	230 / 120 / 400	230 / 120 / 400	230 / 120 / 400
Voltage stability	≤3%	≤3%	≤3%	≤3%
Frequency Stability	±1Hz	±1Hz	±1Hz	±1Hz
Max power (kVA)	12kVA	15kVA	20kVA	25kVA
Continuous power(kW)	10kW	12kW	15kW	20kW
Voltage regulation	Electronic	Electronic	Electronic	Electronic
Frequency regulation	Electronic	Electronic	Electronic	Electronic
Control				
Start system	12VDC	12VDC	12VDC	12VDC
Auto start	Integrated	Integrated	Integrated	Integrated
Control panel	Digital display control (DDC local + DDC remote)			
Engine				
Engine brand	YANMAR (KUBOTA)	YANMAR (KUBOTA)	YANMAR (KUBOTA)	YANMAR (KUBOTA)
Engine model	3TNV88	4TNV88	4TNV84T	4TNV98
Cylinder	3 cylinder	4 cylinder	4 cylinder	4 cylinder
Displacement(cc)	1642	2190	1995	3319
Speed(rpm)	1500/1800	1500/1800	1500/1800	1500/1800
Fuel	Diesel	Diesel	Diesel	Diesel
Consumption (L/hr)	1.5-3	1.5-3.6	1.5-4.5	1.5-6
Oil capacity(L)	6.7	7.4	7.4	10.5

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Powersan "L" Series 1500/1800 RPM Diesel Silent Marine Generator



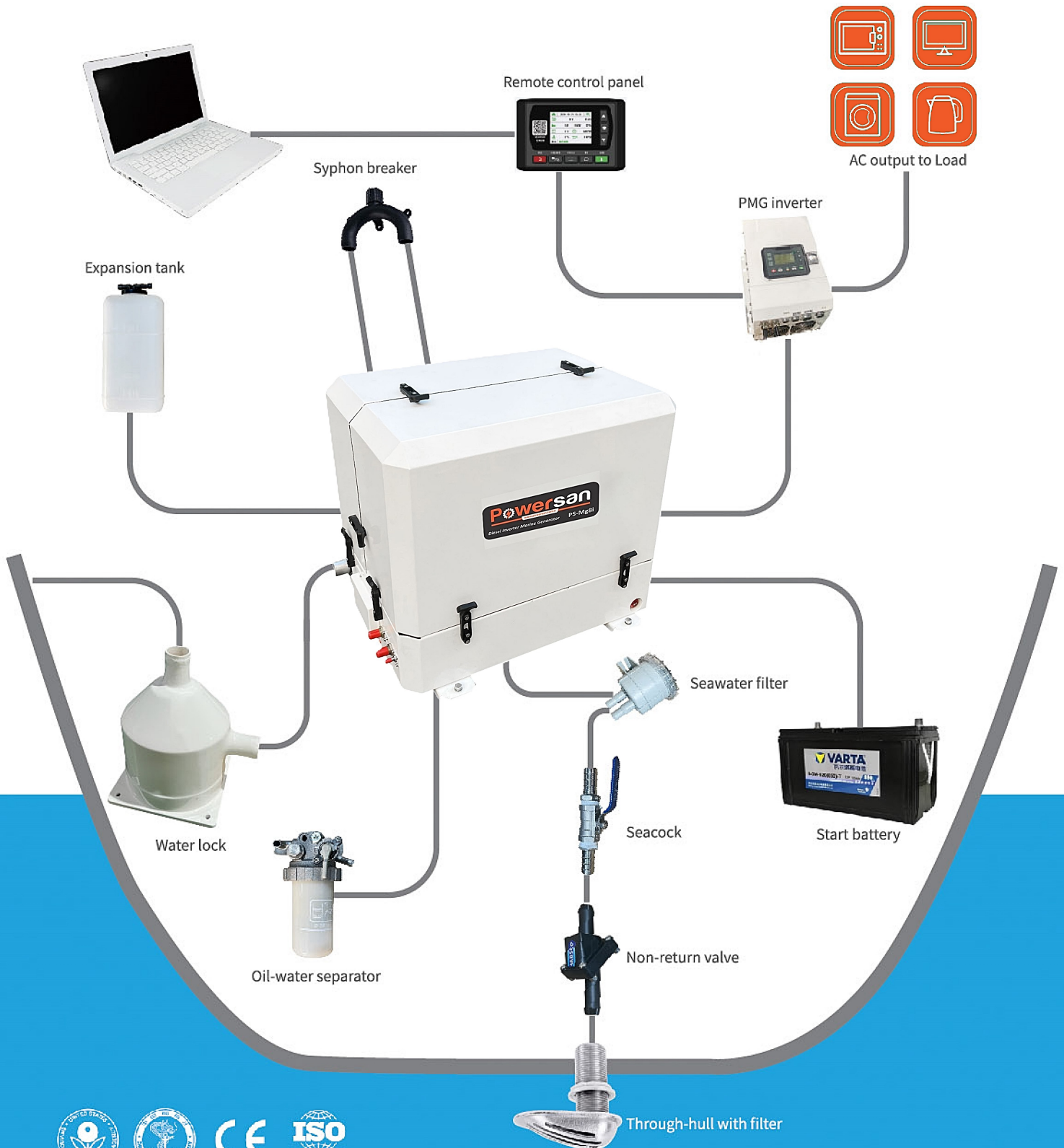
Generator			
Model	H-MG30L	H-MG35L	H-MG50L
Dimensions (LxWxH)(mm)	1280x680x800	1340x680x900	1480x760x950
Net weight(Kg)	520	550	820
Noise(dBa/7m)	51	51	52
Cooling system	Dual circuit freshwater cooling via heat exchanger		
Performance			
Frequency(Hz)	50 / 60	50 / 60	50 / 60
Output Voltage(V)	230 / 120 / 400	230 / 120 / 400	230 / 120 / 400
Voltage stability	≤3%	≤3%	≤3%
Frequency Stability	±1Hz	±1Hz	±1Hz
Max power (kVA)	30kVA	35kVA	50kVA
Continuous power(kW)	25kW	30kW	40kW
Voltage regulation	Electronic	Electronic	Electronic
Frequency regulation	Electronic	Electronic	Electronic
Control			
Start system	12VDC	12VDC	12VDC
Auto start	Integrated	Integrated	Integrated
Control panel	Digital display control (DDC local + DDC remote)		
Engine			
Engine brand	YANMAR (KUBOTA)	YANMAR (KUBOTA)	PERKINS
Engine model	4TNV98	4TNV98T	1104C-44TG2
Cylinder	4 cylinder	4 cylinder	4 cylinder
Displacement(cc)	3319	3319	4400
Speed(rpm)	1500/1800	1500/1800	1500/1800
Fuel	Diesel	Diesel	Diesel
Consumption (L/hr)	1.5-7.5	1.5-9	1.5-10
Oil capacity(L)	10.5	10.5	7.4

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Complete system installation for Powersan marine generator





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