

# Genverter - HYBRID Power System

marine • mobile • land based • domestic • solar • back-up



## GV 7i Diesel generator + inverter + battery charger

- 3.8 kW/230V diesel generator
- 3.5 kW/230V sine wave inverter
- Built-in charger for 12, 24 or 48 VDC batteries
- Land power connection
- Variable speed 2500 – 3400 rpm
- Fully automatic operation
- Silent, liquid cooled diesel engine
- Plug & Play installation



smart energy solutions



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<b>Genverter Hybrid</b>	<b>24V version</b>	<b>24V version</b>
<b>Specifications</b>	<b>M-GV7i *) Marine</b>	<b>W-GV7i *) Mobile/Land</b>
Variable speed	2500-3400 rpm	2500-3400 rpm
Combined system output	7 kW	7 kW
Generator power (running engine)	3.4 kW	3.4 kW
Silent power (inverter mode)	3.5 kW	3.5 kW
<b>Generator specifications</b>		
Peak output AC	36A I <sub>pt</sub>	36A I <sub>pt</sub>
Nominal voltage AC	230 Vac	230 Vac
Nominal current AC (combined)	30.0 A	30.0 A
Nominal frequency AC	50.0 Hz	50.0 Hz
Thd nominal operation AC	<5%	<5%
Leading or lagging power factor	0,1 - 1	0,1 - 1
Parallel use (multiple systems)	Not feasible	Not feasible
Parallel use with AC grid (<25A)	Silent mode only	Silent mode only
Capacity (starter) battery (AGM)	12 V 55 Ah	12 V 55 Ah
Starter battery charge current	10 A maintenance charger	
<b>Battery charger specifications</b>		
Charge current	0 - 90 A	0 - 90 A
Charge from AC grid	190 - 250 Vac	190 - 250 Vac
Temperature sensor	Yes	Yes
<b>Inverter specifications</b>		
Silent power 5 sec.	9.0 kW (peak)	9.0 kW (peak)
Silent power	3.5/3.0 kW (cont.)	3.5/3.0 kW (cont.)
Standby consumption	2 - 25 W	2 - 25 W
Efficiency	Max. 94%	Max. 94%
<b>Mechanical specifications</b>		
Cooling	Indirect watercooling	Radiator/Air
Dimensions incl. sound sh. (l*w*h) mm	630*480*520	630*480*520
Dry weight	92 Kg	92 Kg
Dry / Wet exhaust pipe	ø1½ inch BSP inner thread	ø1 inch BSP inner thread
Location oil refill cap	top&side	top&side
Max. Operation angle (in all directions)	25°	25°
Alternator	air-cooled permanent magnet	
Material / Color	sheet metal / RAL 9003	
Temperature range operational	-20°C to 40°C	-20°C to 40°C
Protection degree	Engine compartment IP44, Electronic compartment IP23	
Relative humidity	Max. 95% relative humidity, none condensing	
Remote control	WPC-PSCP	WPC-PSCP
<b>Specifications diesel engine</b>		
Engine model	Whisper WP1-4	Whisper WP1-4
Number of cylinders	1	1
Cylinder capacity	300 cc	300 cc
Air consumption	0.42 m <sup>3</sup> /min @3000rpm	
Engine cooling	fully oil cooled	fully oil cooled
Fuel consumption (no load-full load)	0.8-1.5 ltrs/hrs	0.8-1.5 ltrs/hrs

\*) Other models

Marine: M-GV7i 12V and M-GV7i 48V

Mobile / Land: W-GV7i 12V and W-GV7i 48V

#### Panel

Easy-to-install remote panel, combining the generator monitoring and control functions, including auto start – stop, with the inverter/ charger functions. Includes remote land power adjustment function.

Dimensions  
h x w 20x12 cm x d



#### Radiator

Radiatorsystem for cooling - built in into the cabinet (Mobile & Land versions). Optional external.



#### Genverter W/M-GV 7i

Genverter Power Centre (inverter/battery charger)

h x w x d  
500 mm x 360 mm x 300 mm

