Genverter© Series
DC output

Datasheet

DC generator

inverter system

For cases when a constant high power consumption isn't required, installing a Genverter© system with the DC PowerCube, combined with an AC PowerCube inverter, can prove to be a smart decision. The advantage of this system is that a non-stop AC power supply is always available. This is thanks to the 4, 7 or 14 kVA AC PowerCube inverter which is connected to one or multiple onboard batteries being charged by one or several DC PowerCubes.

Whenever the 24 VDC batteries need to be recharged, the Genverter© starts up automatically. At the same time, the DC PowerCube is connected to the shore power - during shore power connection, the various onboard batteries are charged with a maximum 120 A (3.5kW). Using the remote control panel, supplied as standard, the shore power can be set to the required ampere value (4,6,8,10,16A). The DC PowerCube also features a charging socket for 24 VDC batteries.

- Simple installation, no transfer switch required
- Continuous, uninterrupted clean power on board
- Genverter© speed adjustable and extremely quiet
- Fast charge with correct and constant engine load
- Plug-in worldwide
- Low fuel consumption, minimal engine maintenance

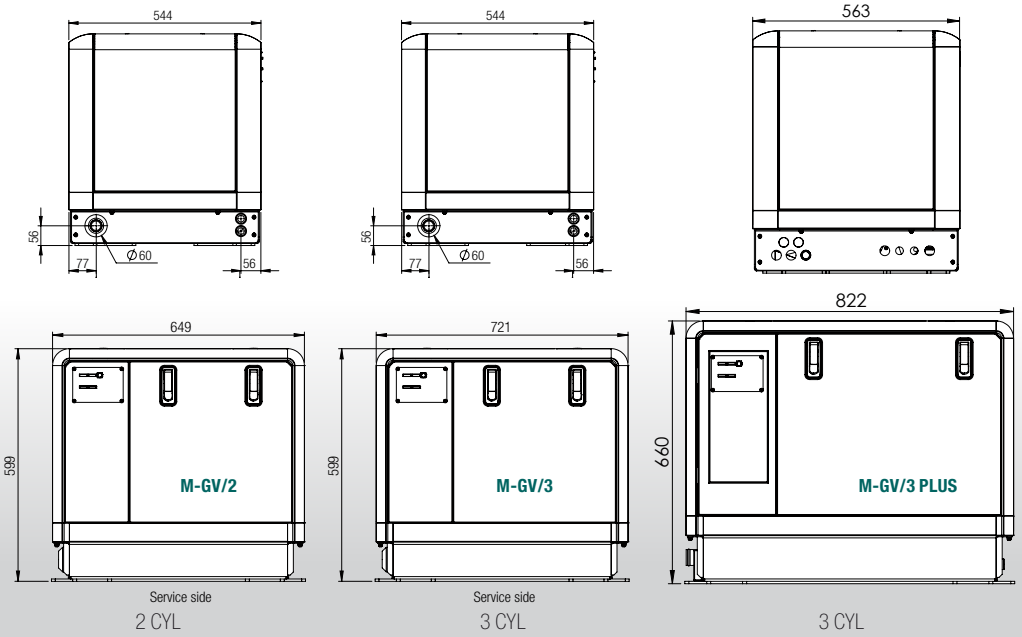
CCR II

Generating Confidence

	M-GV/2	M-GV/3*)	M-GV-3+
	41001105 GV/2 Kubota, wet exhaust 41001205 GV/2 Mitsubishi, wet exhaust 60202002 DC PowerCube 24/150 or 60202003 DC PowerCube 48/80	41001305 GV/3 Kubota, wet exhaust 41001405 GV/3 Mitsubishi, wet exhaust 60202002 DC PowerCube 24/150 or 60202003 DC PowerCube 48/80	41001505 GV/3+ Kubota, wet exhaust 60202002 DC PowerCube 24/150 or 60202003 DC PowerCube 48/80
MAIN SPECIFICATIONS			
Continuous power	4.3kW	8.6kW	12 kW
Noise level	54dB(A) at 7m, 65dB(A) at 1m	54dB(A) at 7m, 65dB(A) at 1m	54dB(A) at 7m, 65dB(A) at 1m
Rpm range	1500 .. 3000rpm, adjustable	1500 .. 2500rpm, adjustable	1500 .. 2500rpm, adjustable
AC Generator (high frequency)	Permanent Magnet Alternator (PMA)	Permanent Magnet Alternator (PMA)	Permanent Magnet Alternator (PMA)
DC charge Module	DC PowerCube	2 × DC PowerCube	3 × DC PowerCube
Nominal voltage	24/48 VDC	24/48 VDC	24/48 VDC
Charge current	150/80 A at 24/48 VDC	300/160 A at 24/48 VDC	450/240 A at 24/48 VDC
Charge characteristics	bulk, absorption, float	bulk, absorption, float	bulk, absorption, float
DIESEL ENGINE SPECIFICATIONS			
Engine	Kubota Z482/Mitsubishi L2E	Kubota D722/Mitsubishi L3E	Kubota D1105
Cylinder volume	479 cc / 635 cc (two cylinder)	719 cc / 952 cc (three cylinder)	1.123 cc (three cylinder)
Bore & stroke	67 × 68 mm / 76 × 70 mm	67 × 68 mm / 76 × 70 mm	78 × 78,4 mm
Combus / Air consumption	< 0.95 m³/min	< 1.22 m³/min	< 1.43 m³/min
Cooling system	indirect	indirect	indirect
Fuel consumption (no load - full load)	1.2-2.5 l/hr	1.2-3 l/hr	1.5-4 l/hr
Starter battery charge current	alternator 12 V/12,5 A	alternator 12 V/12.5 A	alternator 12 V/40 A
DIMENSIONS & WEIGHT			
Length × width × height (cabinet)	649 × 545 × 599 mm	721 × 545 × 599 mm	822 × 570 × 660 mm
Length × width × depth (PCube)	575 × 221 × 316 mm	575 × 221 × 316 mm (two)	575 × 221 × 316 mm (three)
Dry weight (cabinet + DC PowerCube(s))	154 kg + DC PowerCube	171 kg + DC PowerCube	210 kg + DC PowerCube
Dry exhaust / wet exhaust	Ø 1 inch BSP / Ø 40 mm	Ø 1 inch BSP / Ø 40 mm	Ø 1 inch BSP / Ø 40 mm
Oil dipstick position	top and side	top and side	top and side
Max. operating angle	25° in all directions	25° in all directions	25° in all directions
CONTROL PANEL			
Standard	Basic start / stop panel performed as the DDC panel		
Optional	2nd start/stop panel, Touch panel 7 inch		

*) Ask for our 12 kWatt G/3 Plus model in case you need more charging power. See MGV/15 for size and weight

Installation drawings



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