

ENCLOSURE

Common Characteristics		Material & Colour: aluminium (blue RAL 5012) Protection category: IP 21			
Battery-connection		Four M8 bolts (2 plus and 2 minus connections)			
230 V AC-connection	Screw terminals 13 mm ² (6 AWG)	Bolts M6	Bolts M6	Bolts M6	Bolts M6
Weight (kg)	19	34 / 30 / 30	45 / 41	51	72
Dimensions (hxxwxd in mm)	362 X 258 X 218	470 X 350 X 280 444 X 328 X 240 444 X 328 X 240	470 X 350 X 280	470 X 350 X 280	572 X 488 X 344

STANDARDS

Safety	EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1				
Emission, Immunity	EN 55014-1, EN 55014-2, EN-IEC 61000-3-2, EN-IEC 61000-3-3, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3				
Road vehicles	12V and 24V models: ECE R10-4				
Anti-islanding	See our website				

1) Can be adjusted to 60 Hz; 120 V 60 Hz on request	<p>3) Non-linear load, crest factor 3:1</p> <p>4) At 25°C ambient</p> <p>5) Switches off when no external AC source available</p> <p>6) Programmable relay that can a.o. be set for general alarm, DC under voltage or genset start/stop function</p> <p>AC rating: 230 V / 4 A</p> <p>DC rating: 4 A up to 35 VDC, 1 A up to 60 VDC</p>
2) Protection key:	
a) output short circuit	
b) overload	
c) battery voltage too high	
d) battery voltage too low	
e) temperature too high	
f) 230 VAC on inverter output	
g) input voltage ripple too high	



Digital Multi Control Panel

A convenient and low cost solution for remote monitoring, with a rotary knob to set PowerControl and PowerAssist levels.

Computer controlled operation and monitoring

Several interfaces are available:



Color Control GX and other GX devices

Monitoring and control. Locally, and also remotely on the [VRM Portal](#).



VE.Bus Smart Dongle

Measures battery voltage and temperature and allows monitoring and control of Multis and Quattros with a smartphone or other Bluetooth enabled device.



MK3-USB (VE.Bus to USB interface)

Connects to a USB port [\(see 'A guide to VEConfigure'\)](#)



VE.Bus to NMEA 2000 interface

Connects the device to a NMEA2000 marine electronics network. See the [NMEA2000 & MED integration guide](#)



BMV-712 Smart Battery Monitor

Use a smartphone or other Bluetooth enabled device to:

- customize settings,
- monitor all important data on single screen,
- view historical data, and to
- update the software when new features become available.