

MultiPlus	12 Volt 24 Volt	12/2000/80 24/2000/50	12/3000/120 24/3000/70
PowerControl			Yes
PowerAssist			Yes
Transfer switch (A)			50
Parallel and 3-phase operation			Yes
INVERTER			
Input voltage range (V DC)		9,5 – 17 V	19 – 33 V
Output		Output voltage: 120 VAC ± 2%	Frequency: 60 Hz ± 0,1% (1)
Cont. output power at 75 °F (VA) (3)	2000		3000
Cont. output power at 75 °F (W)	1600		2500
Cont. output power at 100 °F (W)	1450		2200
Peak power (W)	4000		6000
Maximum efficiency (%)	92 / 94		93 / 94
Zero-load power (W)	9 / 11		15 / 15
Zero load power in AES mode (W)	7 / 8		10 / 10
Zero load power in Search mode (W)	3 / 4		4 / 5
CHARGER			
AC Input		Input voltage range: 95-140 VAC	Input frequency: 45 – 65 Hz Power factor: 1
Charge voltage 'absorption' (V DC)			14,4 / 28,8
Charge voltage 'float' (V DC)			13,8 / 27,6
Storage mode (V DC)			13,2 / 26,4
Charge current house battery (A) (4)	80 / 50		120 / 70
Charge current starter battery (A)		4	
Battery temperature sensor		yes	
GENERAL			
Auxiliary output (5)	n. a.		Yes (32A)
Programmable relay (6)	Yes (1x)		Yes (3x)
Protection (2)		a - g	
VE.Bus communication port		For parallel and three phase operation, remote monitoring and system integration	
General purpose com. port (7)	n. a.		Yes (2x)
Remote on-off		Yes	
Common Characteristics	Operating temp. range: 0 - 120°F (fan assisted cooling)		Humidity (non condensing): max 95%
ENCLOSURE			
Common Characteristics	Material & Colour: aluminum (blue RAL 5012)		Protection category: IP 21
Battery-connection	M8 bolts	M8 bolts (2 plus and 2 minus connections)	
120 V AC-connection	Screw-terminal 6 AWG (13mm ²)	Screw-terminal 6 AWG (13mm ²)	
Weight	13kg 25 lbs	19kg 40 lbs	
Dimensions (hxxwx d in mm and inches)	520x255x125 mm 20.5x10.0x5.0 inch	362x258x218 mm 14.3x10.2x8.6 inch	
STANDARDS			
Safety	EN 60335-1, EN 60335-2-29		
Emission Immunity	EN55014-1, EN 55014-2, EN 61000-3-3		
1) Can be adjusted to 60 HZ; 120 V 60 Hz on request 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 3) Non linear load, crest factor 3:1 4) At 75 °F ambient 5) Switches off when no external AC source available 6) Programmable relay that can a. o. be set for general alarm, DC undervoltage or genset start/stop function AC rating: 230V/4A DC rating: 4A up to 35VDC, 1A up to 60VDC 7) A. o. to communicate with a Lithium Ion battery BMS			



Digital Multi Control

A convenient and low cost solution for remote monitoring, with a rotary knob to set Power Control and Power Assist levels.



Blue Power Panel

Connects to a Multi or Quattro and all VE.Net devices, in particular the VE.Net Battery Controller.
Graphic display of currents and voltages.



Computer controlled operation and monitoring

Several interfaces are available:

- **MK2.2 VE.Bus to RS232 converter**
Connects to the RS232 port of a computer (see 'A guide to VEConfigure')
- **MK2-USB VE.Bus to USB converter**
Connects to a USB port (see 'A guide to VEConfigure')
- **VE.Net to VE.Bus converter**
Interface to VE.Net (see VE.Net documentation)
- **VE.Bus to NMEA 2000 converter**
- **Victron Global Remote**
The Global Remote is a modem which sends alarms, warnings and system status reports to cellular phones via text messages (SMS). It can also log data from Victron Battery Monitors, Multis, Quattro's and Inverters to a website through a GPRS connection. Access to this website is free of charge.
- **Victron Ethernet Remote**
To connect to Ethernet.



BMV Battery Monitor

The BMV Battery Monitor features an advanced microprocessor control system combined with high resolution measuring systems for battery voltage and charge/discharge current. Besides this, the software includes complex calculation algorithms, like Peukert's formula, to exactly determine the state of charge of the battery. The BMV selectively displays battery voltage, current, consumed Ah or time to go. The monitor also stores a host of data regarding performance and use of the battery.