MultiPlus Series

INVERTER CHARGER

FEATURES

- 800W - 5000W Inverter Charger
- Two AC outputs
- Parallel Operation
- 3Ph capability
- Power Assist Boost
- Four stage charger
- Dual bank charging



SPECIFICATIONS

INVERTER	
Input voltage range	9.5-17Vdc, 19-33Vdc, 38-66Vdc
Output voltage	230Vac +/-2%
Frequency	50Hz +/-0.1%
Output Power	See selection table
Efficiency	Typically 94% max
CHARGER	
Input voltage	187 - 265Vac
Frequency	45 - 65Hz
Power factor	1
Charge voltage 'absorption'	14.4 / 28.8 / 57.6 VDC
Charge voltage 'float'	13.8 / 27.6 / 55.2 VDC
Charge voltage 'float'	13.2 / 26.4 / 52.8 VDC
Charge current house battery	See selection table
Charge current starter battery	4A (12V & 24V models)
Battery temperature sensor	Yes
STANDARDS & APPROVALS	
Safety	EN60335-1, EN60335-2-29.
Emission	EN55014-1, EN61000-3-2
Immunity	EN55014-2, EN61000-3-3
Automotive Directive	2004/104/EC
C-tick	AS/NZS CISPR11: Group 1, Class A.
MECHANICAL	
230VAC connection	800VA to 1600VA: G-ST181 connector 2000VA: Spring clamp 3000VA to 5000VA: Screw terminals 13mm2 (6AWG)
Battery connection	800VA to 1600VA, battery cables of 1.5meters 2000VA to 5000VA M8 bolts
Protection category	IP21.
Material & colour	Aluminum epoxy powder coated cases (blue RAL 5012)
Size & Weight	800VA/1200VA/600VA: 375x214x110mm, 10Kg 2000VA: 520x255x125mm, 12Kg 3000VA, 362x258x218mm, 18kg 5000VA, 444x328x240mm, 30kg

GENERAL	
Protection	Output short circuit Overload Battery voltage too high Battery voltage too low Temperature too high Input voltage ripple too high
PowerControl	Yes, all MultiPlus inverter/charger models
PowerAssist	Yes, all MultiPlus inverter/charger models
Parallel & 3ph operation	Yes, all MultiPlus inverter/charger models
Programmable relay	Can 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
VE Bus Communications	For parallel and three phase operation, remote monitoring and system integration
Remote on-off	Yes
Auxillary output	3000VA: yes (16A) 5000VA: yes (25A)
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 current and voltages
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. The Software includes complex calculation algorithms, to exactly determine the state of charge of the battery. The BMV selectively displays the battery voltage, current consumed AH or time to go. The monitor all stores a host of data regarding performance and use of the battery
Computer control & monitoring	Several interfaces are available MK2.2 VE.Bus to RS232 converter MK2-USB VE.Bus to USB converter VE Net to VE Bus converter Victron global remote Victron Ethernet Remote

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SELECTION TABLE

MODEL NUMBER	ABSORPTION CHARGE VOLTAGE	FLOAT CHARGE VOLTAGE	CHARGE CURRENT HOUSE BATTERY	OUTPUT POWER 25°C VA	OUTPUT POWER 40°C W	PEAK POWER
MultiPlus C 12/800/35	14.3V	13.5V	35A	800VA	650W	1600W
MultiPlus C 12/1200/50	14.3V	13.5V	50A	1200VA	900W	2400W
MultiPlus C 12/1600/70	14.3V	13.5V	70A	1600VA	1200W	3000W
MultiPlus C 12/2000/80	14.3V	13.5V	80A	2000VA	1450W	4000W
MultiPlus C 12/3000/120	14.3V	13.5V	120A	3000VA	2200W	6000W
MultiPlus C 24/800/16	28.5V	27V	16A	800VA	650W	1600W
MultiPlus C 24/1200/25	28.5V	27V	25A	1200VA	900W	2400W
MultiPlus C 24/1600/40	28.5V	27V	40A	1600VA	1200W	3000W
MultiPlus C 24/2000/50	28.5V	27V	50A	2000VA	1450W	4000W
MultiPlus C 24/3000/70	28.5V	27V	70A	3000VA	2200W	6000W
MultiPlus C 24/5000/120	28.5V	27V	120A	5000VA	4000W	10,000W
MultiPlus C 48/3000/35	57.6V	55.2V	35A	3000VA	2200W	6000W
MultiPlus C 48/5000/70	57.6V	55.2V	70A	5000VA	4000W	10,000W