

MULTIPLUS II GX

The Victron Energy MultiPlus-II GX is a high-performance inverter/charger that combines a powerful pure sine wave inverter, an intelligent battery charger and an integrated GX device with advanced monitoring and remote control capabilities in a single unit. Designed for off-grid installations, hybrid systems and grid-connected energy storage applications, it provides a complete solution for professional energy management. Thanks to its integrated Ethernet, WiFi, VE.Direct, USB and BMS-Can connectivity, the entire installation can be monitored and managed remotely through the Victron Remote Management (VRM) portal.



Multiplus-II GX

The **Victron Energy MultiPlus-II GX** combines the proven reliability of the MultiPlus-II range with the communication and monitoring capabilities of an integrated GX device, eliminating the need for additional equipment to manage the system. This all-in-one solution simplifies the configuration, monitoring and remote maintenance of photovoltaic installations, backup systems and off-grid applications.

Thanks to **PowerAssist** and **PowerControl** technologies, the MultiPlus-II GX optimises the use of available energy by preventing overloads on generators or limited AC supplies, while its ultra-fast transfer switch ensures uninterrupted power for critical loads in the event of a grid failure.

The integrated GX device enables the inverter/charger to communicate with smart batteries, MPPT solar charge controllers, PV inverters and other Victron Energy equipment, centralising all system information on a single platform. Integrated WiFi and Ethernet connectivity provide both local and remote access through the **Victron Remote Management (VRM)** platform, allowing users to monitor real-time data, modify system settings and receive system alarms.

Its compatibility with ESS (Energy Storage System) installations, grid-connected systems, off-grid applications and parallel or three-phase configurations makes the MultiPlus-II GX one of the most complete solutions for residential, commercial, industrial, marine and specialised vehicle installations.

Available in different power ratings and battery voltages, the MultiPlus-II GX range offers a flexible, scalable solution designed to meet the current and future requirements of professional energy installations.

Key Features

- Pure sine wave inverter/charger with integrated GX device.
- Built-in LCD display for local parameter monitoring.
- Integrated WiFi and Ethernet connectivity.
- USB, VE.Direct and BMS-Can ports for system integration.
- Compatible with Victron Remote Management (VRM).
- PowerAssist and PowerControl functions.
- Compatible with ESS (Energy Storage System) applications.
- Parallel and three-phase operation.
- Ultra-fast transfer switching for uninterrupted power supply.
- Compatible with MPPT charge controllers, smart batteries and PV inverters.
- Remote monitoring and configuration from a computer, tablet or smartphone.
- High efficiency and low standby power consumption.
- Designed for off-grid, hybrid and grid-connected installations.

Applications

- Off-grid photovoltaic systems.
- Hybrid energy storage installations.
- Grid-connected ESS systems.
- Single-family homes.
- Commercial and industrial installations.
- Backup power systems.
- Self-consumption systems with battery storage.
- Marine applications.
- Special-purpose vehicles and motorhomes.
- Three-phase and parallel installations.

Advantages

- All-in-one solution with integrated inverter, charger and GX device.
- Reduces the number of components required for the installation.
- Complete remote monitoring through the VRM platform.
- Simpler installation with reduced wiring.
- Seamless integration with the entire Victron Energy ecosystem.
- Maximum power continuity thanks to its ultra-fast transfer switching.
- Intelligent energy management to optimise self-consumption.
- Scalable for higher-power installations through parallel or three-phase operation.
- Compatible with a wide range of battery technologies.
- High reliability for residential, commercial and professional applications.

SPECIFICATIONS

Technical data for the Victron MultiPlus-II GX 230 V range

Specification	24/3000/70-32 GX	48/3000/35-32 GX	48/5000/70-50 GX	48/4k5/55-32 GX	48/6k5/100-50 GX
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Electrical specifications

Technical data for the Victron MultiPlus-II GX 230 V range

Specification	24/3000/70-32 GX	48/3000/35-32 GX	48/5000/70-50 GX	48/4k5/55-32 GX	48/6k5/100-50 GX
PowerControl and PowerAssist	Yes	Yes	Yes	Yes	Yes
Transfer switch	32 A	32 A	50 A	32 A	50 A
Maximum AC input current	32 A	32 A	50 A	32 A	50 A
Auxiliary output	Yes, 32 A	Yes, 32 A	Yes, 32 A	Yes, 32 A	Yes, 32 A
Inverter					
DC input voltage range	19 – 33 V	38 – 66 V	38 – 66 V	38 – 60 V	38 – 60 V
Output voltage	230 V AC $\pm$ 2 %	230 V AC $\pm$ 2 %	230 V AC $\pm$ 2 %	230 V AC $\pm$ 2 %	230 V AC $\pm$ 2 %
Output frequency	50 Hz $\pm$ 0.1 % ⁽¹⁾	50 Hz $\pm$ 0.1 % ⁽¹⁾	50 Hz $\pm$ 0.1 % ⁽¹⁾	50 Hz $\pm$ 0.1 % ⁽¹⁾	50 Hz $\pm$ 0.1 % ⁽¹⁾
Continuous output power at 25 °C ⁽³⁾	3000 VA	3000 VA	5000 VA	—	—
Continuous output power at 25 °C	2400 W	2400 W	4000 W	4 kW	6 kW
Continuous output power at 40 °C	2200 W	2200 W	3700 W	3.7 kW	5.7 kW
Continuous output power at 65 °C	1700 W	1700 W	3000 W	3 kW	4.6 kW
Time-limited power 1 (cold start)	—	—	—	4.5 kW / 2 h	6.5 kW / 4 h
Time-limited power 2 (cold start)	—	—	—	6 kW / 25 min	8 kW / 1 h
Maximum apparent feed-in power	3000 VA	3000 VA	5000 VA	4 kW	6 kW
Peak power	5500 W	5500 W	9000 W	7 kW / 1 min	11 kW / 1 min
Maximum efficiency	94 %	95 %	96 %	95 %	96 %
Zero-load power consumption	13 W	11 W	18 W	20 W	28 W
Zero-load power consumption in AES mode	9 W	7 W	12 W	13 W	18 W
Zero-load power consumption in Search mode	3 W	2 W	2 W	8 W	8 W
Charger					
AC input voltage range	187 – 265 V AC	187 – 265 V AC	187 – 265 V AC	187 – 265 V AC	187 – 265 V AC
AC input frequency range	45 – 65 Hz	45 – 65 Hz	45 – 65 Hz	45 – 65 Hz	45 – 65 Hz
Absorption charge voltage	28.8 V	57.6 V	57.6 V	57.6 V	57.6 V
Float charge voltage	27.6 V	55.2 V	55.2 V	55.2 V	55.2 V
Storage mode voltage	26.4 V	52.8 V	52.8 V	52.8 V	52.8 V
Maximum battery charging current at 25 °C	70 A	35 A	70 A	55 A	100 A
Maximum battery charging current at 40 °C	—	—	—	50 A	95 A
Battery temperature sensor	Yes	Optional	Optional	Optional	Optional
Optional sensor order code	—	ASS000001000	ASS000001000	ASS000001000	ASS000001000
Compatible battery types	—	—	—	Lithium, lead-acid, zinc-bromide and others ⁽⁴⁾	Lithium, lead-acid, zinc-bromide and others ⁽⁴⁾
GX functions and communications					
Integrated GX device	Yes	Yes	Yes	Yes	Yes
Integrated display	LCD, 2 × 16 characters	LCD, 2 × 16 characters	LCD, 2 × 16 characters	LCD, 2 × 16 characters	LCD, 2 × 16 characters
Wi-Fi	Integrated	Integrated	Integrated	Integrated	Integrated
BMS-Can	1 interface	1 interface	1 interface	1 interface	1 interface
USB	1 port	1 port	1 port	1 port	1 port
Ethernet	1 port	1 port	1 port	1 port	1 port
VE.Direct	1 port	1 port	1 port	1 port	1 port
VE.Bus	Yes	Yes	Yes	Yes	Yes
General-purpose communication ports	2 ports	2 ports	2 ports	2 ports	2 ports
Victron Remote Management (VRM)	Compatible	Compatible	Compatible	Compatible	Compatible
Parallel and three-phase operation	Yes	Yes	Yes	Yes	Yes
GX units required in parallel/three-phase systems	1	1	1	1	1
General data					
Optional external AC current sensor	100 A	100 A	100 A	100 A	100 A
Programmable relay ⁽⁵⁾	Yes	Yes	Yes	Yes	Yes

Technical data for the Victron MultiPlus-II GX 230 V range

Specification	24/3000/70-32 GX	48/3000/35-32 GX	48/5000/70-50 GX	48/4k5/55-32 GX	48/6k5/100-50 GX
Protection ⁽²⁾	a – g	a – g	a – g	a – g	a – g
Remote On/Off	Yes	Yes	Yes	Yes	Yes
Operating temperature	–40 to +65 °C	–40 to +65 °C	–40 to +65 °C	–40 to +65 °C	–40 to +65 °C
Cooling	Fan-assisted	Fan-assisted	Fan-assisted	Fan-assisted	Fan-assisted
Maximum humidity (non-condensing)	95 %	95 %	95 %	95 %	95 %
Maximum altitude	—	—	—	2000 m	2000 m
Enclosure					
Material and colour	Steel, RAL 5012 blue	Steel, RAL 5012 blue	Steel, RAL 5012 blue	Steel, RAL 5012 blue	Steel, RAL 5012 blue
Protection rating	IP22	IP22	IP22	IP21	IP21
Battery connection	M8 bolts	M8 bolts	M8 bolts	M8 bolts	M8 bolts
230 V AC connection	13 mm² (6 AWG) screw terminals	13 mm² (6 AWG) screw terminals	13 mm² (6 AWG) screw terminals	13 mm² (6 AWG) screw terminals	13 mm² (6 AWG) screw terminals
Weight	19 kg	19 kg	30 kg	21.4 kg	29 kg
Dimensions (H × W × D)	506 × 275 × 147 mm	506 × 275 × 147 mm	565 × 323 × 148 mm	590 × 275 × 149 mm	644 × 320 × 150 mm
Standards					
Safety	EN-IEC 60335-1 EN-IEC 60335-2-29 EN-IEC 62109-1 EN-IEC 62109-2	EN-IEC 60335-1 EN-IEC 60335-2-29 EN-IEC 62109-1 EN-IEC 62109-2	EN-IEC 60335-1 EN-IEC 60335-2-29 EN-IEC 62109-1 EN-IEC 62109-2	EN-IEC 60335-1 EN-IEC 60335-2-29 EN-IEC 62109-1 EN-IEC 62109-2	EN-IEC 60335-1 EN-IEC 60335-2-29 EN-IEC 62109-1 EN-IEC 62109-2
Emissions and 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	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	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	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	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
Uninterruptible power supply system	IEC 62040-1	IEC 62040-1	IEC 62040-1	Certification pending	Certification pending
Anti-islanding	Refer to manufacturer's certificates	Refer to manufacturer's certificates	Refer to manufacturer's certificates	Certification pending	Certification pending

- 1) The output frequency can be adjusted to 60 Hz.
- 2) Protection codes: a) output short circuit; b) overload; c) battery voltage too high; d) battery voltage too low; e) temperature too high; f) 230 V AC present at the inverter output; g) input voltage ripple too high.
- 3) Non-linear load, crest factor 3:1.
- 4) Other battery chemistries may also be used, provided that the charger is configured according to the battery manufacturer's specifications.
- 5) Programmable relay configurable for general alarm, DC undervoltage or generator start/stop. AC rating: 230 V / 4 A. DC rating: 4 A up to 35 VDC and 1 A up to 60 VDC.

DOWNLOADS

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 Datasheet-MultiPlus-II-GX-inverter-charger-ES.pdf

Size: 479.54 KiB

FICHA PRODUCTO MULTIPLUS-II GX 4K5-6K5

 Datasheet-MultiPlus-II-4k5-6k5-GX-ES.pdf

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