



VICTRON MultiPlus 48/1200/13-16 Charger-Inverter 48V 16A

Reference: PMP482120000

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The VICTRON MultiPlus 48/1200/13-16 is a powerful 48V 16A charger-inverter with pure sine wave output and adaptive charging technology, featuring a high-speed AC transfer switch.

The VICTRON MultiPlus 48/1200/13-16 is a robust charger-inverter designed to meet the demands of power supply and energy management. One of its notable features is the ability to operate in parallel with up to six MultiPlus units, allowing for increased output power. Additionally, the system can be configured for three-phase output mode alongside the parallel configuration.

The Multi Control panel offers the advantage of setting a maximum current for generators or shore connections. This feature is crucial to prevent overloads from external power sources when additional AC loads are active. Expanding on the concept of PowerControl, the VICTRON MultiPlus 48/1200/13-16 integrates alternative energy sources. During power demand spikes, the unit can immediately compensate for any shortage from the generator or shore connection by utilizing battery energy. Excess energy is then redirected to recharge the battery when the load decreases.

A four-stage adaptive charger optimizes battery system charging through advanced adaptive charging software. This process adapts to battery conditions through three automatic phases and adds a fourth phase for extended maintenance charging. The VICTRON MultiPlus 48/1200/13-16 can also charge a secondary battery using an independent compensation charge output, ideal for starting batteries in main engines or generators.

The robust starting capability is essential for handling initial high load peaks, such as power converters for LED lamps, halogen lamps, or electrical tools. The search mode reduces inverter energy consumption by 70% during idle operation, enhancing efficiency. The MultiPlus is equipped with a programmable relay that can be configured for alarm purposes, disconnecting the relay in pre-alarm or alarm situations.

Remote control of ignition, shutdown, and charger activation is facilitated through a three-pole connector. After installation, the MultiPlus is ready for use, with adjustable settings through DIP switches. Different models offer various adjustment options, and connecting a Cerbo GX or similar GX product enables internet connectivity for remote monitoring and setting adjustments through the Victron Remote Management (VRM) platform.

Technical Specifications of VICTRON MultiPlus 48/1200/13-16

PowerControl: Yes
Parallel and Three-Phase Operation: Yes
Transfer Switch: 16A

INVERTER

Input Voltage Range: 38 - 66 V
Output Voltage: 230 VAC \pm 2%
Frequency: 50 Hz \pm 0.1%

Continuous Output Power at 25°C: 1200 VA
Continuous Output Power at 25° / 40° / 65°: 1000 W / 900 W / 600 W
Peak Power: 2400 W
Maximum Efficiency: 95%
Zero Load Power Consumption: 10 W
Standby Power Consumption: 3 W

CHARGER

Input Voltage Range: 187-265 VAC
Input Frequency: 45-65 Hz
"Absorption" Charge Voltage: 57.6 V
"Float" Charge Voltage: 55.2 V
"Storage" Mode Voltage: 52.8 V
Service Battery Charge Current: 13 A
Battery Temperature Sensor: Yes

Width: 250 mm
Length: 100 mm
Height: 406 mm
Weight: 8.2 kg

Looking for a product with different technical specifications? You can find the complete range of VICTRON chargers and inverters, as well as other specialized brands, [here](#).

Images and technical data are not binding.

Technical Sheet

Phase	Single phase
Frequency (Hz)	50 / 60
Voltage (V)	187-265
Protection degree	IP21
Output voltage (V)	230
Nominal current (A)	57.6
Charging voltage (V)	48
Length (mm)	406
Width (mm)	250
Height (mm)	100
Overload protectors	Yes
Input voltage (V)	48
Kind of wave	Pure Sinusoidal
Continuous power (W)	1000
Colour	Blue
Weight (Kg)	8.2