



VICTRON MultiPlus C 12/1600/70-16 Charger-Inverter 12V 16A

Reference: CMP121620000

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VICTRON MultiPlus C 12/1600/70-16 powerful pure sine wave inverter and charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus C 12/1600/70-16 is a 12V 16A charger-inverter designed to tackle the challenges of energy management with advanced features. This device offers a wide range of functionalities that make it an essential component for energy systems.

A distinctive feature is its ability to operate in parallel with up to six MultiPlus units, allowing for higher output power. Furthermore, three units can be configured for a three-phase output mode, ensuring versatility for various network setups.

The Multi Control control panel allows setting a maximum current for the generator or grid connection, preventing overloads from external sources. The PowerControl concept is implemented in an advanced manner, enabling the VICTRON MultiPlus C 12/1600/70-16 to integrate alternative energy sources. During peak power demands, the device can immediately compensate for energy shortages by utilizing battery energy. When the load decreases, excess energy is used to recharge the battery, optimizing resource utilization.

With a four-stage adaptive charger, the VICTRON MultiPlus C 12/1600/70-16 charger-inverter optimizes battery charging through sophisticated "adaptive charging" software. This process adapts to detected conditions through three automatic phases and adds a fourth phase for extended operation periods. Moreover, the device can charge a second battery using an independent compensation output, making it ideal for main engine starting batteries or generators.

The VICTRON MultiPlus C 12/1600/70-16 charger-inverter is equipped with a programmable relay that can be configured as an alarm, deactivating the relay in case of pre-alarm or alarm situations, thus providing an additional level of safety.

Remote management is simplified through a three-pole connector, allowing remote ignition, shutdown, and control of the charger. After installation, the VICTRON MultiPlus C 12/1600/70-16 is ready for use, but it also offers adjustment options through DIP switches, adapting to the specific needs of the energy system. In summary, the VICTRON C 12/1600/70-16 presents itself as a versatile, powerful, and efficient component for advanced energy management.

TECHNICAL SPECIFICATIONS VICTRON MultiPlus C 12/1600/70-16

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

INVERTER

Input Voltage Range: 9.5 - 17 V
Output Voltage: 230 VAC \pm 2%

Frequency: 50 Hz \pm 0.1%
Continuous Output at 25°C: 1600 VA
Continuous Output at 25°C / 40°C / 65°C: 1300 W / 1100 W / 800 W
Peak Power: 3000 W
Maximum Efficiency: 93%
Zero Load in AES mode: 5 W
Zero Load in Search mode: 2 W

CHARGER

Input Voltage Range: 187-265 VAC
Input Frequency: 45-65Hz
"Absorption" Charge Voltage: 14.4 V
"Float" Charge Voltage: 13.8 V
Storage Mode Voltage: 13.2 V
Service Battery Charge Current: 70 A
Battery Charge Current: 4 A
Battery Temperature Sensor: Yes

Width: 214 mm
Length: 110 mm
Height: 375 mm
Weight: 10 kg

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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)	14.4
Charging voltage (V)	12
Length (mm)	214
Width (mm)	110
Height (mm)	375
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	1300
Colour	Blue
Weight (Kg)	10