



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

Reference: PMP122160000

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

The VICTRON MultiPlus 12/1600/70-16 is a 12V 16A charger-inverter designed to address energy management challenges 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, enabling higher output power. Moreover, it is possible to configure three units for a three-phase output mode, ensuring versatility for various network configurations.

The Multi Control panel allows setting a maximum current for the generator or shore connection, preventing overloads from external sources. The advanced implementation of the PowerControl concept enables the VICTRON MultiPlus 12/1600/70-16 to integrate alternative energy sources. During peak power demand, the device can instantly compensate for energy shortages by utilizing battery power. As the load decreases, excess energy is harnessed to recharge the battery, optimizing resource utilization.

Equipped with a four-stage adaptive charger, the VICTRON MultiPlus 12/1600/70-16 charger-inverter optimizes battery charging through sophisticated adaptive charging software. This process adapts to detected conditions through three automatic stages and adds a fourth stage for extended operational periods. Furthermore, 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 12/1600/70-16 charger-inverter is fitted with a programmable relay that can be configured as an alarm, disconnecting the relay in pre-alarm or alarm situations, providing an additional safety layer.

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

Technical Specifications of VICTRON MultiPlus 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° / 40° / 65°: 1300 W / 1100 W / 800 W
Peak Power: 2800 W
Maximum Efficiency: 93%
No-Load Consumption: 10 W
Standby Consumption: 3 W

CHARGER

Input Voltage Range: 187-265 VAC
Input Frequency: 45-65 Hz
"Absorption" Charge Voltage: 14.4 V
"Float" Charge Voltage: 13.8 V
Storage Mode: 13.2 V
Service Battery Charge Current: 70 A
Battery Charge Current: 1 A
Battery Temperature Sensor: Yes

Width: 265 mm
Length: 120 mm
Height: 470 mm
Weight: 10.2 kg

Looking for a product with different technical specifications? [Here](#) you can find the complete range of VICTRON charger-inverters and other specialized brands.

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)	470
Width (mm)	265
Height (mm)	120
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	1300
Colour	Blue
Weight (Kg)	10.2