



## VICTRON MultiPlus 12/800/35-16 Charger-Inverter 12V 16A

Reference: PMP121800000

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The VICTRON MultiPlus 12/800/35-16 is a powerful pure sine wave inverter and charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 12/800/35-16 is a 12V 16A charger-inverter that offers a range of advanced features to meet power supply and energy management needs. This versatile unit supports parallel operation and is adaptable to function in a three-phase configuration, allowing users to connect up to six units for a significant increase in power output. This parallel connectivity provides significant flexibility in managing energy demands.

A distinctive feature of the VICTRON MultiPlus 12/800/35-16 is the integration of PowerControl technology, which allows users to set a maximum current threshold for both generators and shore connections. This effectively prevents the risk of overloading these power sources when additional AC loads are active.

Introducing PowerAssist, another innovative feature that enables the VICTRON MultiPlus 12/800/35-16 to seamlessly integrate alternative energy sources during periods of high demand. This dynamic capability ensures a continuous flow of energy, even during periods of high energy consumption.

Enhanced by a sophisticated four-stage adaptive charging process, the MultiPlus unit is well-equipped to optimize battery charging and maintenance, thereby extending battery life. The high starting capacity of the unit is essential for accommodating high-power devices such as LED converters, halogen lamps, and power tools.

The Search Mode has been specifically incorporated to reduce energy consumption when the inverter is idle, offering up to a 70% reduction in energy usage. Further enhancing its utility, the programmable relay acts as an alarm trigger and disengages during alarms or pre-alarms, such as excessively high inverter temperatures, excessive input ripple, or excessively low battery voltage.

Enabling remote operations, the VICTRON MultiPlus 12/800/35-16 facilitates external control of the inverter, charger, and on/off functions through a three-pole connector. Designed for simplicity, the unit ensures easy configuration, monitoring, and control after installation, with some settings adjustable via DIP switches.

For advanced monitoring and remote management, the installation of a Cerbo GX or other GX products connected to the Internet allows access to operational data through the Victron Remote Management (VRM) platform, providing a comprehensive view for effective inverter performance management.

### TECHNICAL SPECIFICATIONS of VICTRON MultiPlus 12/800/35-16

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: 800 VA  
Continuous Output at 25° / 40° / 65°: 700 W / 650 W / 400W  
Peak Power: 1500 W  
Maximum Efficiency: 92%  
Zero Load Consumption: 7 W  
Zero Load Consumption 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: 35 A  
Battery Charge Current: 1 A  
Battery Temperature Sensor: Yes

Width: 240 mm  
Length: 100 mm  
Height: 360 mm  
Weight: 6.4 kg

Looking for a product with different technical specifications? [Here](#) you can find the complete range of VICTRON chargers and inverters, as well as 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)	360
Width (mm)	240
Height (mm)	100
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	700
Colour	Blue

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Weight (Kg)

6.4

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