



VICTRON MultiPlus 12/500/20-16 Charger Inverter 12V 16A

Reference: PMP121500000

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The VICTRON MultiPlus 12/500/20-16 is a powerful pure sine wave inverter and charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 12/500/20-16 supports parallel operation and can function in a three-phase configuration, allowing the user to connect up to six Multi units for enhanced power output. The VICTRON MultiPlus 12/500/20-16 features PowerControl technology, enabling the setting of a maximum current limit for a generator or shore connection. This prevents overloading of the generator or shore connection when other AC loads are present.

PowerAssist is another innovative feature that allows the VICTRON MultiPlus 12/500/20-16 to integrate power from an alternative source, compensating for short bursts of high demand. This ensures uninterrupted power supply even during peak usage periods.

Equipped with a four-stage adaptive charging process, suitable for dual battery charging needs. This process optimizes battery charging and maintenance, enhancing battery longevity. The unit's high starting power is essential for accommodating high-power devices such as LED converters, halogen lamps, and electric tools.

The Search mode reduces the inverter's energy consumption during idle operation by approximately 70%, improving efficiency and conserving energy. The programmable relay acts as an alarm trigger, deactivating in case of an alarm or pre-alarm condition, such as high inverter temperature, excessive input ripple, or low battery voltage.

Remote operation allows external control of the inverter, charger, and on/off functions through a three-pole connector. The VICTRON MultiPlus 12/500/20-16 is designed for easy configuration, monitoring, and control after installation. Some settings can be adjusted using DIP switches.

Remote configuration and monitoring are possible by installing a Cerbo GX or other GX products connected to the internet. Operational data can be stored and accessed through the Victron Remote Management (VRM) platform.

TECHNICAL SPECIFICATIONS of VICTRON MultiPlus 12/500/20-16

PowerControl: No
Parallel and three-phase operation: Yes
Transfer switch: 16A

INVERTER
Input voltage range: 9.5 to 17 V
Output voltage: 230 VAC \pm 2%
Frequency: 50 Hz \pm 0.1%
Continuous output power at 25?: 500 VA

Continuous output power at 25? / 40? / 65?: 430 W / 400 W / 300W

Peak power 900 W

Maximum efficiency 90%

Zero load power supply 6 W

Zero load power supply in 2 W

CHARGER

Input voltage range: 187-265 VAC

Input frequency: 45-65Hz

Charging voltage "absorption" 14.4 V

"Trickle" charging voltage 13.8 V

Storage mode 13.2 V

Service battery charging current: 20 A

Battery charging current 1 A

Battery temperature sensor: Yes

Width: 182 mm

Length: 100 mm

Height: 311 mm

Weight: 4.4 kg

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

Images and technical data are indicative and subject to change.

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)	311
Width (mm)	182
Height (mm)	100
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	500
Colour	Blue
Weight (Kg)	4.5