



VICTRON MultiPlus 12/3000/120-50 Charger-Inverter 12V 50A

Reference: PMP123021010

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VICTRON MultiPlus 12/3000/120-50 powerful pure sine wave inverter and charger adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 12/3000/120-50 is an advanced 12V 50A charger-inverter, carefully designed to meet the challenges of advanced power management. This device boasts a wide range of features that solidify its role as a crucial component within energy systems.

A distinctive feature of the VICTRON MultiPlus 12/3000/120-50 is the integration of PowerControl technology, which allows the user to set a maximum current threshold for both generators and shore connections. This effectively avoids the risk of overloading these power sources when additional AC loads are in operation.

Introducing PowerAssist, another innovative feature that enables the VICTRON MultiPlus 12/3000/120-50 to seamlessly integrate alternative power sources during periods of high power demand. This dynamic capability ensures a continuous flow of energy, even during periods of high energy consumption.

The Multi Control panel allows a maximum current to be set for the generator or ground connection, preventing overloads from external sources. The innovative integration of PowerControl enables the VICTRON MultiPlus 12/3000/120-50 to seamlessly integrate alternative energy sources.

By enhancing battery charging through a sophisticated four-stage adaptive charger, the VICTRON MultiPlus 12/3000/120-50 employs adaptive charging software to adapt to prevailing conditions. This progressive process moves smoothly through three automatic stages, with a fourth stage dealing with extended operating periods.

TECHNICAL FEATURES VICTRON MultiPlus 12/3000/120-50

PowerControl: Yes
Parallel and three-phase operation: Yes
Transfer switch: 50 A

INVERTER

Input voltage range: 9.5 to 17 V
Output voltage: 230 VAC \pm 2%
Frequency: 50 Hz \pm 0.1%
Continuous output at 25 $^{\circ}$: 3000 VA
Continuous output at 25 $^{\circ}$ / 40 $^{\circ}$ / 65 $^{\circ}$: 2400 W / 2200 W / 1700 W
Peak power 6000 W
Maximum efficiency 93 %
Zero load supply in AES mode: 15 W

Zero load supply in Search mode: 8 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: 120 A

Battery charging current: 4A

Battery temperature sensor: Yes

Width: 258 mm

Length: 218 mm

Height: 362 mm

Weight: 18kg

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
Voltage (V)	187-265
Protection degree	IP21
Output voltage (V)	230
Nominal current (A)	14.4
Charging voltage (V)	12
Length (mm)	258
Width (mm)	218
Height (mm)	362
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	2400
Colour	Blue
Weight (Kg)	18