



VICTRON MultiPlus-II 48/5000/70-50 Charger-Inverter 48V 50A

Reference: PMP482505010

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The VICTRON MultiPlus-II 48/5000/70-50 is a powerful pure sine wave inverter and charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus-II 48/5000/70-50 Charger-Inverter is a flexible energy management solution that expands the functionality of the MultiPlus, while also offering the option of integrating an Energy Storage System (ESS). The VICTRON MultiPlus-II 48/5000/70-50 acts as an inverter/charger with an enhanced capacity of PowerControl and PowerAssist up to 32 A each, thanks to the addition of an external sensor.

Developed for professional off-grid applications, such as marine, yacht, vehicle and agricultural shipping, the VICTRON MultiPlus-II 48/5000/70-50 has a built-in anti-isolation function and boasts an ever-expanding list of certifications from various countries, especially with regard to the use of energy storage systems (ESS). System configuration options are flexible and can be adapted to various needs, as detailed in the dedicated manual on ESS design and configuration.

PowerControl and PowerAssist features increase the efficiency of power management from the grid and generator. Through setting a maximum input current from the grid or generator, the VICTRON MultiPlus-II 48/5000/70-50 intelligently manages loads, prioritizing battery charging to avoid overloads.

The integration of solar energy gives the VICTRON MultiPlus-II 48/5000/70-50 Battery Charger-Inverter the ability to operate autonomously, connecting to photovoltaic systems and other alternative sources. This device is compatible with both solar charge controllers and grid-connected inverters.

With two AC outputs, the main output acts as an emergency power supply, ensuring an immediate supply during grid or generator outages. The second output operates only when the AC input is active, adapting to loads that do not require power from the battery, such as water heaters. The VICTRON 48/5000/70-50 is a reliable and adaptable option for managing power efficiently, with a focus on intelligent use of available energy resources.

TECHNICAL SPECIFICATIONS VICTRON MultiPlus-II 48/5000/70-50

PowerControl and PowerAssist: Yes
Transfer Switch: 50 A
Max AC Input Current: 50 A

INVERTER

DC Input Voltage Range: 38 - 66 V
Output Voltage: 230 VAC \pm 2 %
Frequency: 50 Hz \pm 0.1 % (1)
Continuous Output Power at 25°C: 5000 VA
Continuous Output Power at 25° / 40°C / 65°C: 4000 W / 3700 W / 3000 W

Max Apparent Input Current: 5000 VA
Peak Power: 9000 W
Maximum Efficiency: 96 %
Zero Load Power: 18 W
Standby Power in AES mode: 12 W

CHARGER

AC Input Voltage Range: 187-265 VAC
Input Frequency: 45-65Hz
"Absorption" Charge Voltage: 57.6 V
"Float" Charge Voltage: 55.2 V
Storage Mode Voltage: 52.8 V
Max Battery Charge Current: 70 A
Battery Temperature Sensor: Yes

Protection Category: IP22
Width: 149 mm
Length: 320 mm
Height: 565 mm
Weight: 30 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

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|----------------------|-----------------|
| Phase | Single phase |
| Frequency (Hz) | 50 |
| Voltage (V) | 187-265 |
| Protection degree | IP21 |
| Output voltage (V) | 230 |
| Nominal current (A) | 57.6 |
| Charging voltage (V) | 48 |
| Length (mm) | 149 |
| Width (mm) | 320 |
| Height (mm) | 565 |
| Overload protectors | Yes |
| Input voltage (V) | 48 |
| Kind of wave | Pure Sinusoidal |
| Continuous power (W) | 4000 |
| Colour | Blue |
| Weight (Kg) | 30 |