



VICTRON MultiPlus 48/1600/20-16 Charger-Inverter 48V 16A

Reference: PMP482160000

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The VICTRON MultiPlus 48/1600/20-16 is a powerful pure sine wave inverter and charger with adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 48/1600/20-16 is an advanced 48V 16A charger-inverter, meticulously designed to tackle the challenges of advanced energy management. This device boasts a wide range of features that solidify its role as a crucial component within energy systems.

Its distinctive feature lies in its ability to operate in parallel with up to six MultiPlus units, thus harnessing enhanced output power. Further flexibility is offered by the option to configure three units for a three-phase output mode, providing versatility across various network configurations.

The Multi Control panel allows for setting a maximum current for the generator or grounding connection, preventing overloads from external sources. The innovative integration of PowerControl enables the VICTRON MultiPlus 48/1600/20-16 to seamlessly incorporate alternative energy sources. In times of high power demand, the device promptly compensates for energy deficits by tapping into the battery reserves. Conversely, during load reduction, excess energy recharges the battery, optimizing resource allocation.

Enhancing battery charging through a sophisticated adaptive four-stage charger, the VICTRON MultiPlus 48/1600/20-16 employs adaptive charging software to adapt to prevailing conditions. This progressive process smoothly transitions through three automatic stages, with a fourth stage catering to extended operational periods.

To ensure safety, the VICTRON MultiPlus 48/1600/20-16 is equipped with a programmable relay. This relay can be configured to function as an alarm, facilitating disconnection during pre-alarm or alarm scenarios, thereby providing an additional layer of security.

For convenient remote management, a three-pole connector streamlines operations, enabling remote activation, deactivation, and control of the charger. Once installed, the VICTRON MultiPlus 48/1600/20-16 is ready for use, while the option to adjust settings via DIP switches caters to the specific needs of each energy system. In summary, the VICTRON MultiPlus 48/1600/20-16 is a versatile, robust, and highly efficient component destined to drive advanced energy management in the future.

TECHNICAL FEATURES VICTRON MultiPlus 48/1600/20-16

PowerControl: Yes
Parallel and Three-Phase Operation: Yes
Transfer Switch: 16A

INVERTER
Input Voltage Range: 38 - 66 V

Output Voltage: 230 VAC \pm 2%
Frequency: 50 Hz \pm 0.1%
Continuous Output Power at 25°C: 1600 VA
Continuous Output Power at 25° / 40° / 65°: 1300 W / 1100 W / 800 W
Peak Power 2800 W
Maximum Efficiency 95%
Zero-Load Power Consumption: 10 W
Standby Power Consumption: 3 W

CHARGER

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
Service Battery Charge Current: 20 A
Battery Temperature Sensor: Yes

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

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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)	57.6
Charging voltage (V)	48
Length (mm)	470
Width (mm)	265
Height (mm)	120
Overload protectors	Yes
Input voltage (V)	48
Kind of wave	Pure Sinusoidal
Continuous power (W)	1300
Colour	Blue
Weight (Kg)	10.2