



VICTRON MultiPlus 24/1600/40-16 Charger-Inverter 24V 16A

Reference: PMP242160000

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The VICTRON MultiPlus 24/1600/40-16 is a powerful pure sine wave inverter and charger featuring adaptive charging technology and a high-speed AC transfer switch.

The VICTRON MultiPlus 24/1600/40-16 is an advanced 24V 16A charger-inverter meticulously designed to tackle the challenges of advanced energy management. This device boasts a diverse range of features that cement its role as a pivotal component within energy systems.

Its standout attribute lies in the capacity to operate in parallel with up to six MultiPlus units, thereby harnessing enhanced output power. Further adaptability comes from the option to configure three units for a versatile three-phase output mode, offering flexibility across different network setups.

The Multi Control panel affords the capability to set a maximum current for the generator or grounding connection, preempting overloads from external sources. The innovative incorporation of PowerControl empowers the VICTRON MultiPlus 24/1600/40-16 to seamlessly integrate alternative energy sources. In the face of peak power demands, the device swiftly offsets energy shortfalls by tapping into battery reserves. Conversely, as the load wanes, surplus energy replenishes the battery, optimizing resource allocation.

Enhancing battery charging through a sophisticated four-stage adaptive charger, the VICTRON MultiPlus 24/1600/40-16 leverages adaptive charging software to adapt to prevailing conditions. This progressive process seamlessly transitions through three automatic phases, with a fourth phase addressing extended operational intervals.

Ensuring security, the VICTRON MultiPlus 24/1600/40-16 is equipped with a programmable relay. This relay can be configured to serve as an alarm, facilitating disconnection in pre-alarm or alarm scenarios, thus providing an extra layer of safety.

For convenient remote management, a three-pole connector streamlines operations, facilitating remote activation, deactivation, and charger control. Once installed, the VICTRON MultiPlus 24/1600/40-16 is primed for use, while the option to fine-tune settings through DIP switches accommodates the specific needs of each energy system. In summary, the VICTRON MultiPlus 24/1600/40-16 is a versatile, robust, and highly efficient component poised to lead advanced energy management into the future.

TECHNICAL SPECIFICATIONS VICTRON MultiPlus 24/1600/40-16

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

INVERTER

Input Voltage Range: 19 - 33 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 94%
Zero Load Power Consumption: 9 W
Standby Power Consumption: 3 W

CHARGER

Input Voltage Range: 187-265 VAC
Input Frequency: 45-65Hz
"Absorption" Charge Voltage: 28.8 V
"Float" Charge Voltage: 27.6 V
Storage Mode Voltage: 26.4 V
Service Battery Charge Current: 40 A
Battery Charge Current: 1 A
Battery Temperature Sensor: Yes

Width: 265 mm
Length: 120 mm
Height: 470 mm
Weight: 10.2 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)	28.8
Charging voltage (V)	24
Length (mm)	470
Width (mm)	265
Height (mm)	120
Overload protectors	Yes
Input voltage (V)	24
Kind of wave	Pure Sinusoidal
Continuous power (W)	1300
Colour	Blue
Weight (Kg)	10.2