



## Victron Phoenix C 12/1600 Pure Sine Wave Inverter 3000W

Reference: CIN121620000

### Victron Phoenix C 12/1600 Pure Sine Wave Inverter 3000W

The Victron Phoenix C12/1600 is a pure sine wave inverter designed to power electrical devices up to 3000W, powered by a 12V battery.

Victron Phoenix C12/1600 excel in professional use, accommodating a wide range of applications. The design focuses on creating an authentic sinusoidal waveform inverter, optimizing efficiency without compromising performance.

Utilizing high-frequency hybrid technology, it results in a compact, lightweight product of superior quality, capable of effortlessly delivering power for any load. The Victron Phoenix C12/1600 stands out for devices requiring substantial starting power, such as cooling system compressors, motors, and similar equipment. These inverters offer reliability and flexibility, making them ideal for industrial, commercial, and residential applications.

With the unmatched ability to provide initial power, the Victron Phoenix C12/1600 inverters are the perfect choice for uncompromising performance, ensuring a stable and high-quality energy flow for the most demanding needs.

By using the VEConfigure software (available for free download from the website [www.victronenergy.com](http://www.victronenergy.com)), you can manage all inverter parameters (output voltage and frequency, voltage limits, relay programming to signal conditions like alarms or start a generator).

The Victron Phoenix C12/1600 utilizes pure sine wave technology, perfect for powering devices that require reliable and stable energy. It is equipped with various protection functions, including safeguards against overheating, overcurrent, and short circuits.

### Technical Specifications of Victron Phoenix C12/1600

Input Voltage (V DC): 9.5 – 17V  
Output Voltage: 230V ± 2% / 50/60Hz ± 0.1% (1)  
Continuous Output at 25°C (VA): 1600  
Continuous Output at 25°C / 40°C / 65°C (W): 1300 / 1200 / 800  
Maximum Output (W): 3000  
Maximum Efficiency 12/24/48V (%): 92 / 94 / 94  
No-Load Power Consumption 12 / 24 / 48V (W): 8 / 10 / 12  
Multifunction Relay: Yes  
Protection: Short Circuit - Overload  
Remote Control: Yes  
Operating Temperature: -40°C to +65°C (forced cooling)  
Length: 214 mm  
Width: 110 mm  
Height: 375 mm

Weight: 10 Kg

Looking for a product with different technical specifications? [HERE](#) you can find the section dedicated to Victron inverters or other specialized brands.

Images and technical data are not binding and may be subject to revisions by the manufacturer.

## Technical Sheet

Phase	Single phase
Frequency (Hz)	50 / 60
Protection degree	IP21
Output voltage (V)	230
Length (mm)	110
Width (mm)	215
Height (mm)	375
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	1300
Colour	Blue
Weight (Kg)	10