



VICTRON Quattro 12/3000/120-50 Charger-Inverter 12 V 2x50A

Reference: QUA123020010

VICTRON Quattro 12/3000/120-50 Charger-Inverter 12V 2x50A

VICTRON Quattro 12/3000/120-50 combined inverter and charger with multiple functions, parallel and remote control.

The VICTRON Quattro 12/3000/120-50 is a combined inverter and charger similar to the MultiPlus, designed to offer outstanding performance. This device can accept two AC inputs and automatically connect to the active source. Its many features include a pure sine wave inverter, adaptive charging and hybrid PowerAssist technology, as well as multiple system integration options, including three-phase or auxiliary phase operation and the ability to operate in parallel and with multiple AC outputs.

The VICTRON Quattro 12/3000/120-50 inverter and charger is capable of being connected to two different AC sources, such as power from the dock and a generator. In automatic mode, the device connects to the active source. Its main output is equipped with a no-break system, which ensures continuous supply to the connected loads even in the event of a grid failure or power failure from generator or dock.

The second output of the VICTRON Quattro 12/3000/120-50 goes into action only when an AC source is present at one of its inputs. This output is ideal for powering loads that do not directly discharge the battery, such as air conditioning or hot water boiler.

The VICTRON Quattro 12/3000/120-50 inverter charger also offers overload protection in situations where AC sources are limited, such as when using a generator or shore power. In these situations, the VICTRON Quattro 12/3000/120-50 automatically adjusts the battery charge to prevent overcharging. In addition, it can boost the output of the generator or shore-side power by using power from the battery.

More power can be achieved by combining up to 6 VICTRON Quattro devices in parallel. In addition, there is the flexibility of three-phase or auxiliary phase configurations as needed. For monitoring and control, the VICTRON Quattro 12/3000/120-50 can be coupled with a GX device such as the Cerbo GX. This enables monitoring and management of the inverter battery charger and the entire system, either locally via LAN or remotely via the Internet. This level of control offers a wide range of options, from adjusting the VICTRON Quattro 12/3000/120-50 to automatically starting an emergency generator and more.

TECHNICAL SPECIFICATIONS VICTRON Quattro 12/3000/120-50

PowerControl and PowerAssist: Yes
Transfer switch: Yes
Maximum AC input current: 2 x 50 A

INVERTER

DC input voltage range: 9.5 to 17 V
Output voltage: 230 VAC \pm 2 %
Frequency: 50 Hz \pm 0.1 % (1)
Continuous output at 25°: 3000 VA

Continuous output at 25? / 40? / 65?: 2400 W / 2200 W / 1700 W

Peak output: 6000 W

Maximum efficiency: 93 %

Zero load supply: 20 W

No-load in AES mode: 15 W

CHARGER

Voltage of in 'absorption': 14.4 V

'Holding' voltage: 13.8 V

Storage mode: 13.2 V

Battery charging current: 120 A

Battery temperature sensor: Yes

Width: 218 mm

Length: 258 mm

Height: 362 mm

Weight: 19 kg

Looking for products with different technical specifications? [Here](#) you can find the complete range of VICTRON chargers, inverters, and other specialized brands.

Images and technical data are non-binding.

Technical Sheet

Phase	Single phase
Frequency (Hz)	50
Voltage (V)	230
Protection degree	IP21
Output voltage (V)	230
Nominal current (A)	57.6
Charging voltage (V)	12
Length (mm)	218
Width (mm)	258
Height (mm)	362
Overload protectors	Yes
Input voltage (V)	12
Kind of wave	Pure Sinusoidal
Continuous power (W)	2400
Colour	Blue
Weight (Kg)	19