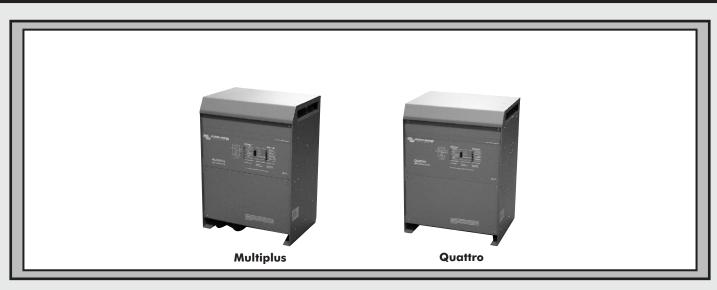




Inverters



Victron is a leading premium Inverter charger engineered in Netherlands. Two models are available: Victron Multiplus Inverter/Charger 800VA – 5kVA and Quattro Inverter Charger 8kVA and 10kVA. All inverters with digital multi control panel can be used for power backup application or for solar off grid application or for solar off grid application. Options available as follows;

Multiplus AC/AC inverters feature two AC outputs. In the power back up application, the inverter/charger takes over the power supply to the connected loads in the event of a grid failure or when the generator power is disconnected. This happens in less than 20 milliseconds enabling computers and other electronic equipment to operate without disruption. The second AC output is live only when AC is available in one of the inputs of the inverter.

Quattro AC/AC Inverter also has two AC inputs but with integrated transfer switch for connecting to two independent AC sources, for example the public grid and a generator or two generators, and will automatically connect to the active source. It allows load that are not backed up e.g water heater to be connected directly. Victron inverters offer virtually unlimited power thanks to parallel operation. Upto 6 inverters can operate in parallel. For example, six units of Quattro 48/10000/140 inverters, will provide 54kW / 60kVA output and 840Amps charging capacity.

Victron Inverters can also provide three Phase capability, since three units can be configured for three phase output. Additional features include On-site Monitoring and control, Remote Monitoring and control and remote configuring.

The inverters are also protected against output short circuit, overload, battery voltage too high, battery voltage too low, high temperature, 230 VAC on inverter output, input voltage ripple too high.

TECHNICAL FEATURES

| Model | MultiPlus 800VA/ 12VDC Inverter | MultiPlus 2000VA/ 24VDC Inverter | MultiPlus 3000VA/ 24VDC Inverter | MultiPlus 5000VA/ 48VDC Inverter | Quattro 8000VA/ 48VDC Inverter | Quattro 10000VA/ 48VDC Inverter |
|---------------------------------------|--|--|--|--|--------------------------------------|---------------------------------------|
| Output Power (VA/W) | 800/700 | 2,000/1,600 | 3,000/2,400 | 5,000/4,000 | 8,000/6,500 | 10,000/8,000 |
| Peak Power(W) | 1,600 | 4,000 | 6,000 | 10,000 | 16,000 | 20,000 |
| DC Input Voltage (Nominal/Range) | 12VDC (9.5VDC- 17VDC) | 24VDC (19VDC-33VDC) 48 | | | 3VDC (38VDC-66VDC) | |
| AC Output Voltage/Frequency (nominal) | 230VAC/50Hz | | | | | |
| Output Wave | Pure Sinewave | | | | | |
| Maximum Charging Current (A) | 35 | 50 | 70 | | 110 | 140 |
| Auxiliary Output | N/A 50 | | | | | |
| Programmable Relay | DC Under Voltage or Genset Start/Stop Funcion, AC rating: 230V/4A DC Rating: 4A upto 35VDC, 1A upto 60VDC | | | | | |
| VE Bus Communication Port | For parallel and three phase operation, remote monitoring and system integration | | | | | |
| Efficiency, Normal Mode (%) | 92 | 94 | | 95 | 96 | |
| Unit Gross Weight (Kgs) | 10 | 12 | 18 | 30 | 41 | 45 |
| Inverter Dimensions (HxWxD) | 375x214x110 | 520x225x125 | 362x258x218 | 444x328x240 | 470x350x280 | 470x350x280 |

Power ratings @ 25°C