

## Which inverter to choose?



There are inverters of 2 types:

A) **Pure sine wave**, in this type, the current is regulated by a microprocessor with quartz precision. The result is a pure sine wave, identical to that of the household network.

B) **Modified sine wave**, the voltage produces a stable square wave in frequency and amplitude, but is **not compatible** with certain electrical devices, such as televisions, audio systems, neon or energy-saving lamps, pod coffee machines, electric toothbrushes, etc.

**Our choice was to catalog only pure sine wave inverters, which, although more expensive, can be used for any type of load.**

## VICTRON inverters



### VICTRON Phoenix inverter, pure sine wave 180/1200W

Designed for professional applications, they use the Sinumax technology ensuring the necessary power but with limited weight and size. Sinumax is also compatible with power peaks during the starting phase required by devices such as refrigerators, electric motors and similar, while traditional 'switching' inverters don't manage these peaks in an optimum way.

Technical characteristics: aluminium frame, forced ventilation with temperature sensor.

Protections for short circuit, overload, high or low battery voltage with alarm, high temperature.

Code	V	VE Direct	Output socket	V		Hertz	Capacity W		Efficiency %	←→  mm	kg
				input V-DC	Output -AC		Continuous	Peak			
14.270.16	12	12/250 direct	SCHUKO	9.2 - 17.3	230 ±3%	50	250	350	87	86x165x260	2.4
14.270.17	24	24/250 direct	SCHUKO	18.4 - 34	230 ±3%	50	250	350	90	86x165x260	2.4
14.270.20	12	12/375 direct	SCHUKO	9.2 - 17.3	230 ±3%	50	375	700	89	86x165x260	3
14.270.21	24	24/375 direct	SCHUKO	18.4 - 34	230 ±3%	50	375	700	89	86x165x260	3
14.270.18	12	500 direct	SCHUKO	10.5 - 15.5	230 ±3%	50	500	1000	91	86x172x275	3.9
14.270.19	24	500 direct	SCHUKO	21 - 31	230 ±3%	50	500	1000	91	86x172x275	3.9
14.270.22	12	12/800 direct	SCHUKO	9.2 - 17.3	230 ±3%	50	800	1600	90	105x216x305	5.5
14.270.23	24	24/800 direct	SCHUKO	18.4 - 34	230 ±3%	50	800	1600	90	105x216x305	5.5
14.270.07	12	12/1200 direct	SCHUKO	9.2 - 17.3	230 ±3%	50	1200	2400	92	104x194x305	8.5
14.270.48	24	24/1200 direct	SCHUKO	18.4 - 34	230 ±3%	50	1200	2400	94	117x232x327	7.4

VE-Direct version: connection to a computer via interface 14.270.28 as well as Bluetooth connection to smartphones and tablets via 14.270.29.

**14.270.29** Bluetooth Smart Dongle provides for display of data via Bluetooth Vicrontconnect App on Apple and Android devices.

**14.270.28** Victron computer interface for Ve-Direct.



▲ 14.277.44/47



▲ 14.277.44/47

**New**

### Orion-Tr Smart non-insulated voltage converter

3-stage DC charger with integrated Bluetooth, ideal for dual battery systems on boats. Suitable for lead and lithium batteries, 12 or 24 V versions available, up to 400 W. It can be monitored and programmed via Bluetooth, provided with engine detection function. Can be connected in parallel to increase output power.

Code	Type	V		Max Amp	Output A continuous	←→  mm	kg
		Input	Output				
14.277.44	12-12-30	10-17	12.2	40	30	130x186x70	1.8
14.277.45	12-24-15	10-17	24.2	25	15	130x186x70	1.8
14.277.46	24-12-30	20-35	12.2	45	30	130x186x70	1.8
14.277.47	22-24-17	20-35	24.2	25	17	130x186x70	1.8