

PHOENIX 1200 - 5000 VA



Inversor Victron Energy Phoenix 24/5000



Inversor Victron Energy Phoenix 12/1600

SinusMax - Superior engineering

Developed for professional duty, the Phoenix range of inverters is suitable for the widest range of applications. The design criteria have been to produce a true sine wave inverter with optimised efficiency but without compromise in performance. Employing hybrid HF technology, the result is a top quality product with compact dimensions, light in weight and capable of supplying power, problem-free, to any load.

Extra start-up power

A unique feature of the SinusMax technology is very high start-up power. Conventional high frequency technology does not offer such extreme performance. Phoenix inverters, however, are well suited to power up difficult loads such as refrigeration compressors, electric motors and similar appliances.

Virtually unlimited power thanks to parallel and 3-phase operation capability

Up to 6 units inverters can operate in parallel to achieve higher power output. Six 24/5000 units, for example, will provide 24kW / 30kVA output power. Operation in 3-phase configuration is also possible.

Computer interface

All models have a RS-485 port. All you need to connect to your PC is our MK2 interface (see under accessories).

This interface takes care of galvanic isolation between the inverter and the computer, and converts from RS-485 to RS-232. A RS-232 to USB conversion cable is also available. Together with our VEConfigure software, which can be downloaded free of charge from our website, all parameters of the inverters can be customised.

This includes output voltage and frequency, over and under voltage settings and programming the relay. This relay can for example be used to signal several alarm conditions, or to start a generator. The inverters can also be connected to VENet, the new power control network of Victron Energy, or to other computerised monitoring and control systems.

New applications of high power inverters

The possibilities of paralleled high power inverters are truly amazing.

SPECIFICATIONS

	C 12/1200 C 24/1200	C 12/1600 C 24/1600	C 12/2000 C 24/2000	12/3000 24/3000 48/3000	24/5000 48/5000
Electrical specifications					
Paralel and 3-phases operation	Yes	Yes	Yes	Yes	Yes
Cont. Output power at 25 °C	1200 VA	1600 VA	2000 VA	3000 VA	5000 VA
Cont. Output power 25 / 40 °C	1000 / 900 W	1300 / 1200 W	1600 / 1450 W	2500 / 2200 W	4500 / 4000 W
Peak Power	2400 W	3000 W	4000 W	6000 W	10000 W
Output voltage	230 Vca ±2%				
Output Frequency	50 / 60 Hz ±0,1 %				
Wave form	Sine wave				
Max. Efficiency 12/24/48 V	92 / 94 %	92 / 94 %	92 / 92 %	93 / 94 / 95 %	- / 94 / 95 %
Zero load power 12/24/48 V	8 / 10 W	8 / 10 W	9 / 11 W	15 / 15 / 16 W	- / 25 / 25 W
Zero load power 12/24/48 V AES	5 / 8 W	5 / 8 W	7 / 9 W	10 / 10 / 12 W	- / 20 / 20 W
Zero load power 12/24/48 Search	2 / 3 W	2 / 3 W	3 / 4 W	4 / 5 / 5 W	- / 5 / 6 W
Input voltage range	9,5 - 17 / 19 - 33 / 38 - 66 Vdc				
Programable relay	Yes, programable thru MK2 interface and VE.Configure				
VE.Bus Communication port	For parallel and three phase operation, remote monitoring and system integration				
Remote On / Off	Yes				
Protections	Output short circuit / input voltage ripple too high				
General specifications					
Temperature range	-20 to 50 °C				
AC Connections	G-ST18i plug		Spring clamp		Screw terminals
Battery connections	1,5 mts. cable		M8 bolts		2+2 M8 bolts
Dimensions (mm)	375 x 214 x 110		520 x 255 x 125		362 x 258 x 218 444 x 328 x 240
Weight	10 Kgr		12 Kgr		18 Kgr 30 Kgr
Garantía	5 years				

DOWNLOADS

CATÁLOGO GENERAL 2020

 [Catalogo-Bornay-0520.pdf](#)

Size: 21.51 MiB
