

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

connect to your PC via RS-485 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	C	C	12/3000	
	12/1200	12/1600	12/2000	24/3000	24/5000
	C	C	C	48/3000	48/5000
	24/1200	24/1600	24/2000		

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 Frecuency	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	For parallel and three phase operation, remote monitoring and system integration				

Communication port	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
Bornay 14-15
(10.41 MiB)