



Phoenix Inverter
Victron Energy Phoenix Inverters 3 kVA

Pure sine wave output, high peak power and high efficiency. Combined high frequency and line frequency technologies ensure the best of both worlds.

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.

Parallel and 3-phase operation capability

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

FEATURES:

- SinusMax - Superior engineering
- to parallel 3-phase and split phase operation capability
- To transfer the load to another AC source: the automatic transfer switch
- Computer interface
- New applications of high power inverters
- Extra start-up power
- Virtually unlimited power thanks

TECHNICAL DATA

Phoenix Inverter	12/3000	24/3000
Parallel, 3-phase and split-phase operation	yes	
INVERTER	9,5-17V	19-33V
Input voltage range (V DC)		
Output	Output voltage: 120 VAC ±2 % Frequency: 60 Hz ± 0,1%	
Cont. output power at 25oC / 77oF (VA)	3000	3000
Cont. output power at 40oC / 104oF (W)	2200	2200
Cont. output power at 65oC / 150oF (W)	1700	1700
Peak power (W)	6000	6000
Max. efficiency (%)	93	94
Zero load power (W)	20	20
Zero load power in AES mode (W)	15	15
Zero load power in Search mode (W)	8	10



Phoenix Inverter Compact
1200VA - 2000VA

The Phoenix Inverter Compact is a pure sine wave inverter with a high efficiency. It is developed for professional duty and suitable for the wide range of applications. The Phoenix Inverters Compact is available from 1200VA up to 2000VA in 12V or 24V.

FEATURES:

- SinusMax - Superior engineering
- Extra start-up power
- Parallel 3-phase and split phase operation capability
- Automatic transfer switch
- Computer interface
- New applications of high power inverters

TECHNICAL DATA

Phoenix Inverter	C12/1200	C12/1600	C12/2000
Parallel, 3-phase and split-phase operation	yes		
INVERTER	C24/1200	C24/1600	C24/2000
Input voltage range (V DC)	9,5 - 17V / 19 - 33V / 38 - 66V		
Output	Output voltage: 230 VAC ±2% Frequency: 50 Hz ± 0,1%		
Cont. output power at 25oC (VA)	1200	1600	2000
Cont. output power at 25oC (W)	1000	1300	1600
Cont. output power at 40oC (W)	900	1200	1450
Cont. output power at 65oC (W)	600	800	1000
Peak power (W)	2400	3000	4000
Max. efficiency 12/ 24 / 48 V (%)	92 / 94 / 94	92 / 94 / 94	92 / 92
Zero load power 12 / 24 / 48 V (W)	8 / 10 / 12	8 / 10 / 12	9 / 11
Zero load power in AES mode (W)	5 / 8 / 10	5 / 8 / 10	7 / 9
Zero load power in Search mode (W)	2 / 3 / 4	2 / 3 / 4	3 / 4