

Phoenix Inverters

250VA – 500VA 230V

www.victronenergy.com



Phoenix 12/375 VE.Direct



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VE.Direct communication port

The VE.Direct port can be connected to:

- A computer (VE.Direct to USB interface cable needed)
- Apple and Android smartphones, tablets, macbooks and other devices (VE.Direct Bluetooth Smart dongle needed)

Fully configurable:

- Low battery voltage alarm trip and reset levels
- Low battery voltage cut-off and restart levels
- Output voltage 210 245V
- Frequency 50 Hz or 60 Hz
- ECO mode on/off and ECO mode sense level

Monitorina:

In- and output voltage and current alarms

Proven reliability

The full bridge plus toroidal transformer topology has proven its reliability over many years. The inverters are short circuit proof and protected against overheating, whether due to overload or high ambient temperature.

High start-up power

Needed to start loads such as power converters for LED lamps, halogen lamps or electric tools.

ECO mode

When in ECO mode, the inverter will switch to standby when the load decreases below a preset value. Once in standby the inverter will switch on for a short period (adjustable, default: every 2,5 seconds). If the load exceeds a preset level, the inverter will remain on.

Remote on/off

A remote on/off switch can be connected to a two pole connector, or between battery plus and the left hand contact of the two pole connector.

LED diagnosis

Please see manual for a description.

To transfer the load to another AC source: the automatic transfer switch

For our low power inverters we recommend our Filax Automatic Transfer Switch. The Filax features a very short switchover time (less than 20 milliseconds) so that computers and other electronic equipment will continue to operate without disruption.

Available with different output sockets







EC-320 (male plug included)



Screw terminals

No special tools needed for installation

24/375 48/375 375VA 00 / 260W 700W 50Hz or 60Hz +/- 0, - 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V 9/89 / 90%	
375VA 00 / 260W 700W 50Hz or 60Hz +/- 0, - 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V	500VA 400/350W 900W
00 / 260W 700W 50Hz or 60Hz +/- 0, - 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V	400/350W 900W
700W 50Hz or 60Hz +/- 0, - 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V	900W ,1%
- 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V	,1%
- 34,0 / 36,8 - 62,0V 18,6 / 37,2V 21,8 / 43,6V 28,0 / 56,0V	
21,8 / 43,6V 28,0 / 56,0V	
28,0 / 56,0V	
1/89/90%	
	90/90/91%
/6,1/8,5W	6/6,5/9W
/1,4/2,6W	1/1,5/3,0
Adjustable	
a - f	
) (derate 1,25%	% per °C above 25°C)
nax 95%	
astic cover (blue Ra	l 5012)
w terminals	
mm² / AWG8	10 mm² / AWG8
Schuko (CEE 7/4), IEC-320 (male plug included) UK (BS 1363), AU/NZ (AS/NZS 3112)	
IP 21	
okg / 6 , 6lbs	3,9kg / 8.5lbs
6x165x26o	86x172x275
4x6.5x10.2	3,4x6,8x10,8
Yes	
Filax	
- LENUEC C	
EN/IEC 60335-1 / EN/IEC 62109-1 EN 55014-1 / EN 55014-2 / IEC 61000-6-1 / IEC 61000-6-3	
	L b1000-b-3
/EC EN 50498	



Battery Alarm

An excessively high or low battery voltage is indicated by an audible and visual alarm, and a relay for remote signalling.



VE.Direct Bluetooth Smart dongle (must be ordered separately)



BMV Battery Monitor

The BMV Battery Monitor features an advanced microprocessor control system combined with high resolution measuring systems for battery voltage and charge/discharge current. Besides this, the software includes complex calculation algorithms to exactly determine the state of charge of the battery. The BMV selectively displays battery voltage, current, consumed Ah or time to go. The monitor also stores a host of data regarding performance and use of the battery.

