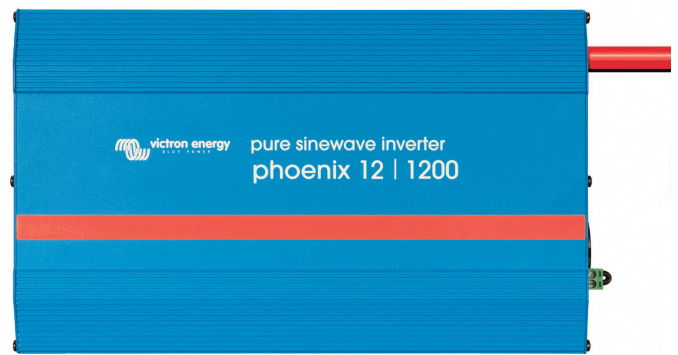


Phoenix Series

DC/AC SINEWAVE INVERTER

FEATURES

- 180W - 2400W
- DC/AC Inverter
- True Sinewave
- Compact and Light Weight
- Surge Power
- Battery Alarm
- BMV Battery Monitor
- LED diagnosis
- Remote ON/OFF with Switch



SPECIFICATIONS

INPUT	
Input Voltage	12Vdc, 24Vdc, 48Vdc Selection table for input voltage range
OUTPUT	
Output voltage	230Vac +/- 3% 110Vac +/-3% optional
Output Frequency	50Hz +/- 0,1% DIP switch for 50/60Hz selection (48/350 model)
Output power	Continuous power at 25 °C 180VA, 12/180 - 24/180 models 350VA, 12/350 - 48/350 models 750VA, 12/750 - 48/750 models
Crest factor	3:1 non linear load
Peak power	See selection table
Efficiency	93% Typically
BATTERY MANAGEMENT	
Zero load power	See selection table
Low battery auto recovery	12Vdc (12,5V), 24Vdc (25V), 48Vdc (50V)
Low battery alarm	12Vdc (11,0V), 24Vdc (22V), 48Vdc (44V)
Low battery shut down	12Vdc (10.5V), 24Vdc (21V), 48Vdc (42V)
Battery Alarm	An excessively high or low battery voltage is indicated by an audible and visual alarm, and a relay for remote signalling.
BMV Battery Monitor	Features advanced microprocessor control system combined with high resolution measuring systems for battery voltage and charge/discharge current. 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.

PROTECTION	
Input	Battery voltage too high
Battery	Voltage too low
Output	Output short circuit overload
Temperature	Temperature too high
STANDARDS AND APPROVALS	
Safety	EN60335-1
Emission Immunity	EN55014-1, EN55014-2, EN61000-6-2, EN61000-6-3
ENVIRONMENTAL	
Operating temperature	-40 to +50°C (fan assisted cooling)
Humidity	Max 95% (non condensing)
MECHANICAL	
Battery connection	180VA (12/180) battery cable 1.5m (cigarette plug) 180-350VA battery cable 1.5m 750VA screw terminals
AC outlets	Inputs: 12Vdc & 24Vdc Option: AU/NZ Outlet Option: IEC-320 Outlet Input: 48Vdc IEC-320 Outlet
Material	Aluminium (Blue Ral 5012)
Protection category	IP 20
Dimensions & Weight	180VA: 72 x 135 x 200mm, 2.7kg 350VA: 72 x 155 x 237mm, 3.5kg 800VA: 104 x 194 x 305mm, 6.5kg 1200VA: 104 x 194 x 305mm, 8.5kg

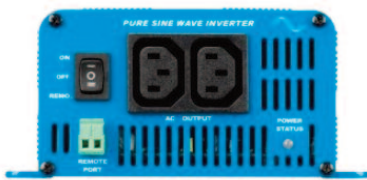
Phoenix Series

DC/AC SINEWAVE INVERTER

SELECTION TABLE

MODEL NUMBER	DC INPUT RANGE	ZERO LOAD INPUT POWER	CONSTANT OUTPUT POWER	CONSTANT POWER AT 40°C	PEAK POWER
Phoenix 12/180	10.5 - 15.5V	2.6W	180VA	150W	350W
Phoenix 12/350	10.5 - 15.5V	3.1W	350VA	250W	700W
Phoenix 12/800	9.2 - 17.3V	6W	800VA	650W	1600W
Phoenix 12/1200	9.2 - 17.3V	6W	1200VA	900W	2400W
Phoenix 24/180	21 - 31V	3.8W	180VA	150W	350W
Phoenix 24/350	21 - 31V	5W	350VA	250W	700W
Phoenix 24/800	18.4 - 34V	5W	800VA	650W	1600W
Phoenix 24/1200	18.4 - 34V	5W	1200VA	900W	2400W
Phoenix 48/350	42 - 62V	6W	350VA	250W	700W
Phoenix 48/800	36.8 - 68V	4W	800VA	650W	1600W
Phoenix 48/1200	36.8 - 68V	6W	1200VA	900W	2400W

TECHNICAL ILLUSTRATIONS



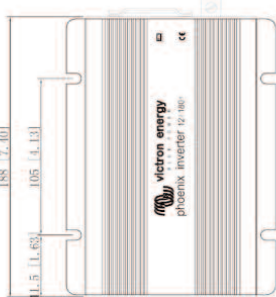
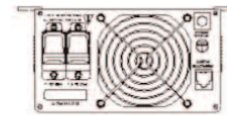
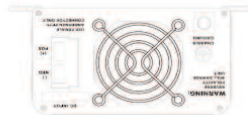
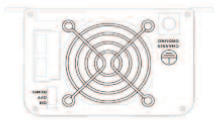
Phoenix Inverter 12/350 with IEC-320 sockets



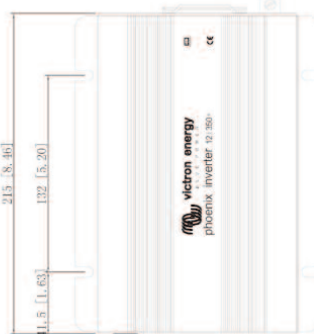
Phoenix Inverter 12/800 with IEC-320 socket



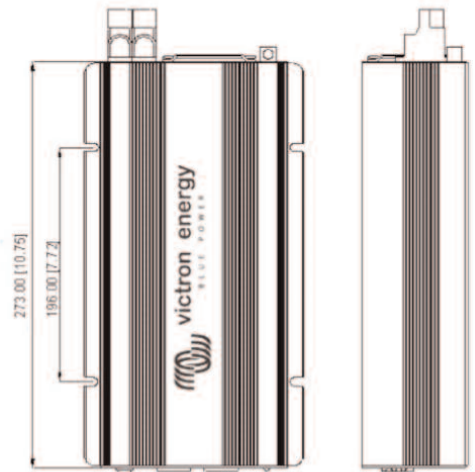
Phoenix Inverter 12/800 with AN/NZS 3112 socket



180 VA



350 VA



750 VA

