

Heavy duty, true sine wave inverters

Available in:

12 V

24 V



Offering superior quality true sine wave output, the PROsine™ 1000 and 1800 stand-alone inverters are ideally suited for electrical systems that already have a quality multistage battery charger. Designed for recreational and industrial applications, their 120-volt, 60 Hz AC power output is capable of handling both heavy duty and smaller, multiple AC loads. PROsine inverters include a backlit LCD display panel, which can be mounted remotely.

Product Features

- » 1000 and 1800 watt inverters (1500 and 2900 watt surge capability)
- » True sine wave AC output (crystal controlled)
- » Total Harmonic Distortion (THD) of 1% (typical), PROsine 1000 and 1800 inverters deliver true sine wave output that is identical to AC power supplied by your utility. This clean output makes PROsine inverters ideal for handling sensitive loads and improves AC equipment performance. Expect trouble-free true sine wave electricity for televisions, audio systems, variable speed tools, and more
- » Removable LCD display can be mounted remotely for control and monitoring
- » Unique DC terminals offer 180-degree connections for easy installation in tight places
- » Powersave mode draws only 1.5 watts under no load
- » PROsine inverters are lighter and more compact than other inverters with similar power ratings because they use high-frequency switching technology in the power conversion process
- » Two year warranty
- » Available in 12 and 24 volt models
- » Models available with GFCI AC outlet or AC hardwire terminal strip for permanent installation into an electrical system (optional 15 A transfer switch available with hardwire option)
- » Remote interface kit for remote mounting of display module

Protection Features

- » Over temperature shutdown and automatic overload protection
- » Over voltage and under voltage protection
- » Short circuit and AC backfeed protection

Applications:



Recreational vehicles



Marine



Heavy duty trucks



Work vehicles



Buses / coaches



Specialty vehicles



CSA/NRTL certified to UL and CSA standards



PROsine

INVERTER



| Electrical specifications | PROsine 1000 | PROsine 1800 |
|---|---------------------------------|---------------------------------|
| Output power | 1000 W | 1800 W |
| Surge rating | 1500 W | 2900 W |
| Output current (peak) | 25 A | 45 A |
| Output voltage (at no load) | 120 Vac +/-3% | 120 Vac +/-3% |
| Output voltage (over full load and battery voltage range) | 120 Vac RMS -10%/+4% | 120 Vac RMS -10%/+4% |
| Output frequency | 60 +/-0.05 (crystal controlled) | 60 +/-0.05 (crystal controlled) |
| Output waveform | True sine wave (THD 1% typical) | True sine wave (THD 1% typical) |
| Peak efficiency (12 V/24 V) | 89% / 90% | 89% / 90% |
| No load power draw (search mode) | <1.5 W | <1.5 W |
| No load power draw (idle mode) | ~ 20 W | ~ 20 W |
| Input voltage range (12 V/24 V) | 10 – 16 Vdc / 20 – 32 Vdc | 10 – 16 Vdc / 20 – 32 Vdc |
| Transfer relay rating (hardwire/transfer relay models) | 15 A | 15 A |
| Transfer time AC to inverter and inverter to AC | 1 cycle (typical, < 20ms) | 1 cycle (typical, < 20ms) |

| General specifications | | |
|--------------------------------------|--|--|
| Operating temperature range | 32°F – 140°F (0°C – 60°C) | 32°F – 140°F (0°C – 60°C) |
| Storage temperature range | -22°F – 158°F (-30°C – 70°C) | -22°F – 158°F (-30°C – 70°C) |
| AC output types | Dual GFCI receptacle Hardwire Hardwire with transfer relay | Dual GFCI receptacle Hardwire Hardwire with transfer relay |
| LCD display panel | Removable; can be mounted remotely (requires remote interface kit - see part number section) Displays DC volts, amps and output power | Removable; can be mounted remotely (requires remote interface kit see part number section) Displays DC volts, amps and output power |
| Recommended DC fuse | 12 V: 150 A or 175 A* 24 V: 70 A or 90 A* | 12 V: 225 A or 300 A* 24 V: 100 A or 150 A* |
| Dimensions (H x W x D) | 4.5 x 11.0 x 15.4" (115 x 280 x 390 mm) | 4.5 x 11.0 x 15.4" (115 x 280 x 390 mm) |
| Weight | 14.5 lb (6.5 kg) | 16.5 lb (7.5 kg) |
| Warranty | Two year | Two year |
| Part numbers | | |
| 12-volt GFCI outlet | 806-1000 | 806-1800 |
| 12-volt hardwire with transfer relay | | 806-1802 |
| 24-volt GFCI outlet | | 806-1850 |
| 24-volt Hardwire | | 806-1851 |
| 24-volt Hardwire with transfer relay | | 806-1852 |
| Remote interface panel | 808-1800 | 808-1800 |

| Regulatory Approvals |
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| CSA/NRTL certified to CSA 107.1, UL 458 (including Marine supplement) |
| KKK-A-1822D: Federal specification for use on ambulances |
| Designed to meet ABYC E8, E9, A25 for marine applications |
| Note: Specifications subject to change without notice. *Depending on applicable installation codes |