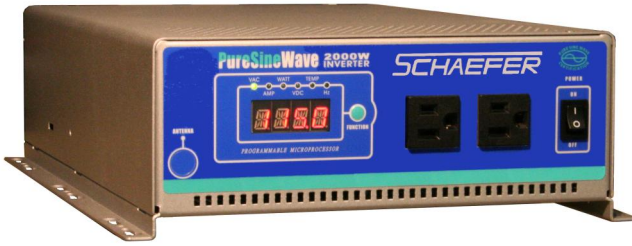


1500W Digital Pure Sine Wave Inverter



Schaefer's AEP-1500 Series of inverters provide 1500 watts of pure sine wave AC power from a DC source. Pure sine wave AC power is the best for powering highly inductive as well as highly capacitive loads. Unlike modified or quasi-sine wave inverters, a pure sine wave offers "clean" power ideal for powering sensitive loads and for improving AC equipment performance. A pure sine output will provide a quality of power identical to, and in some cases better than, utility power. Low EMI levels allow for usage with minimum interference to other equipment such as TV's or sensitive navigational instruments.

Features:

- 12, 24 or 48VDC input
- Pure sine wave output
- High reliability and high efficiency
- Robust design for mobile applications
- Wide -30°C to +60°C operating temperature
- Digital display shows:
 - Output Voltage
 - Output Current
 - Output Power
 - Input Voltage
 - Temperature
 - Frequency
 - Alarms
- RS232C interface
- Remote control port
- Remote control (optional)
- Temperature controlled cooling fan
- Advanced microprocessor design
- Protection features:
 - Input low voltage
 - Overload
 - Short circuit
 - Low battery alarm
 - Input OVP
 - Over temperature
- Can power all loads including pulsed loads such as microwave ovens
- Compact design / Low cost
- Simple installation and maintenance

Applications:

The AEP-1500 Series is suited for worldwide usage in recreational, industrial, residential, shore or generator and other backup power applications. The compact ultra light weight and rugged design features a wide -30°C to +60°C operating temperature making the AEP-1500 ideal for even the most extreme mobile, marine or military environments.

Industrial equipment:

Includes power supplies (switchmode and linear), test equipment, communications equipment, factory automation equipment, field portable instrumentation, remote facility power, metal halide lamps and high pressure sodium lamps.

Computer equipment:

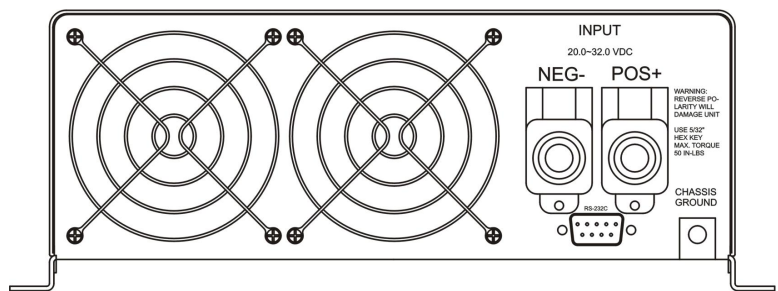
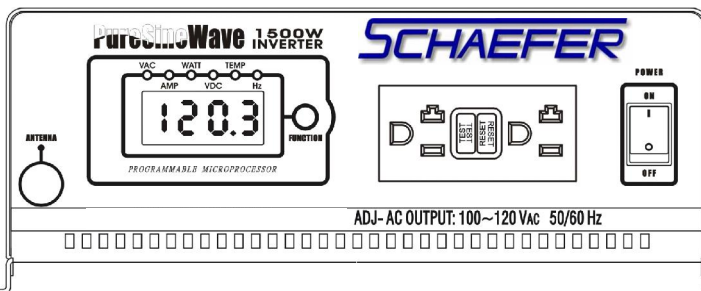
Includes computers, printers, monitors, fax machines, scanners.

Machinery:

Includes circular saws, drills, grinders, sanders, buffers, air compressors.

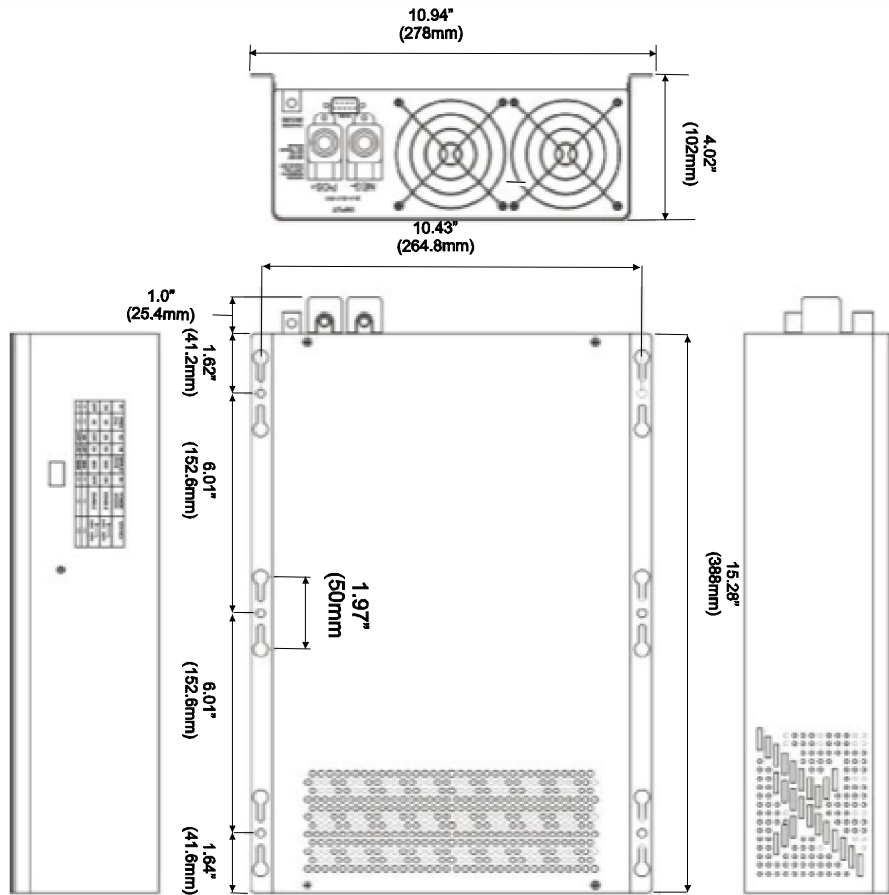
Misc:

Household items, kitchen appliances, home entertainment



1500W Digital Pure Sine Wave Inverter

| Inverter Model | AEP-1500-121 | AEP-1500-241 | AEP-1500-481 | AEP-1500-122 | AEP-1500-242 | AEP-1500-482 |
|----------------------------|--|--------------|--------------|--------------------------|--------------|--------------|
| Continuous Output | 1500W | | | | | |
| Maximum Power (3 min) | 1650W | | | | | |
| Output Power Surge (1 ms) | 3000W | | | | | |
| AC Output Voltage | 100 / 110 / 115 / 120VAC | | | 200 / 220 / 230 / 240VAC | | |
| Voltage Regulation | 2% / -2% | | | | | |
| Output Frequency | 50Hz / 60Hz ± 0.05% | | | | | |
| Output Receptacle | Universal AC Socket (Others upon request) | | | | | |
| Peak Output Current | 25A | | | 11A | | |
| Output Waveform | Pure Sine Wave < 3% THD | | | | | |
| Efficiency | 86% | 88% | 89% | 87% | 90% | 92% |
| No Load Current | ≈1.5W Power Saving Mode | | | | | |
| Power Saving Recovery Time | 3 Minutes | | | | | |
| Input Voltage | 12VDC | 24VDC | 48VDC | 12VDC | 24VDC | 48VDC |
| Input Voltage Range | 10 - 16VDC | 20 - 32VDC | 42 - 62VDC | 10 - 16VDC | 20 - 32VDC | 42 - 62VDC |
| Protection | Under/Over Input Voltage, Over Temperature, Reverse Polarity (Fuse), Overload, Short Circuit | | | | | |
| EMC | FCC Class B, E Mark, CE Mark | | | | | |
| Digital Display | 4 - Digit / 6 LED (OVP / UVP / OTP / OLP / VAC / AMP / WATTS / VDC / TEMP / Hz) | | | | | |
| Remote Communications | RS232-C (Switch Selectable Baud Rate) | | | | | |
| Remote Control Unit | Optional RF or Wired Remote | | | | | |
| Operational Temp | -30°C to +60°C (-22°F to +140°F) | | | | | |
| Storage Temp | -30°C to +70°C (-22°F to +158°F) | | | | | |
| Cooling | Load and temperature controlled cooling fan | | | | | |
| Dimensions (LxWxH) | 16.26"(L) x 10.94"(W) x 4.02"(H) (413mm x 278mm x 102mm) | | | | | |
| Weight | 15.9 lbs. (7.2kg) | | | | | |



Contact Schaefer for other available products including low power inverters with built-in switch and optional battery charger.

Schaefer, Inc. - 200 Butterfield Drive - Tel: 508-881-7330 - Fax: 508-231-0861 - sales@schaeferpower.com