

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:

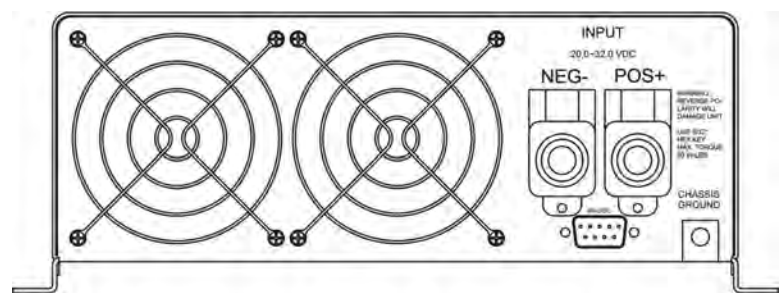
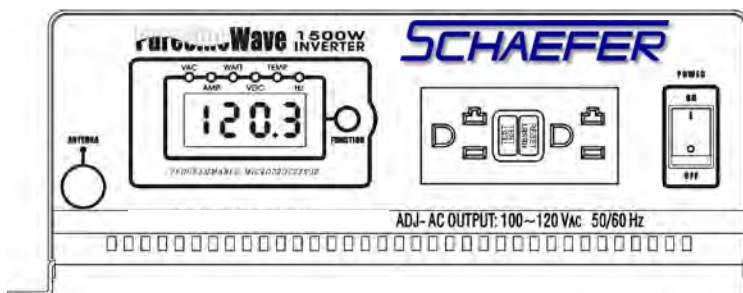
Includes computers, printers, monitors, fax machines, scanners.

Machinery:

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

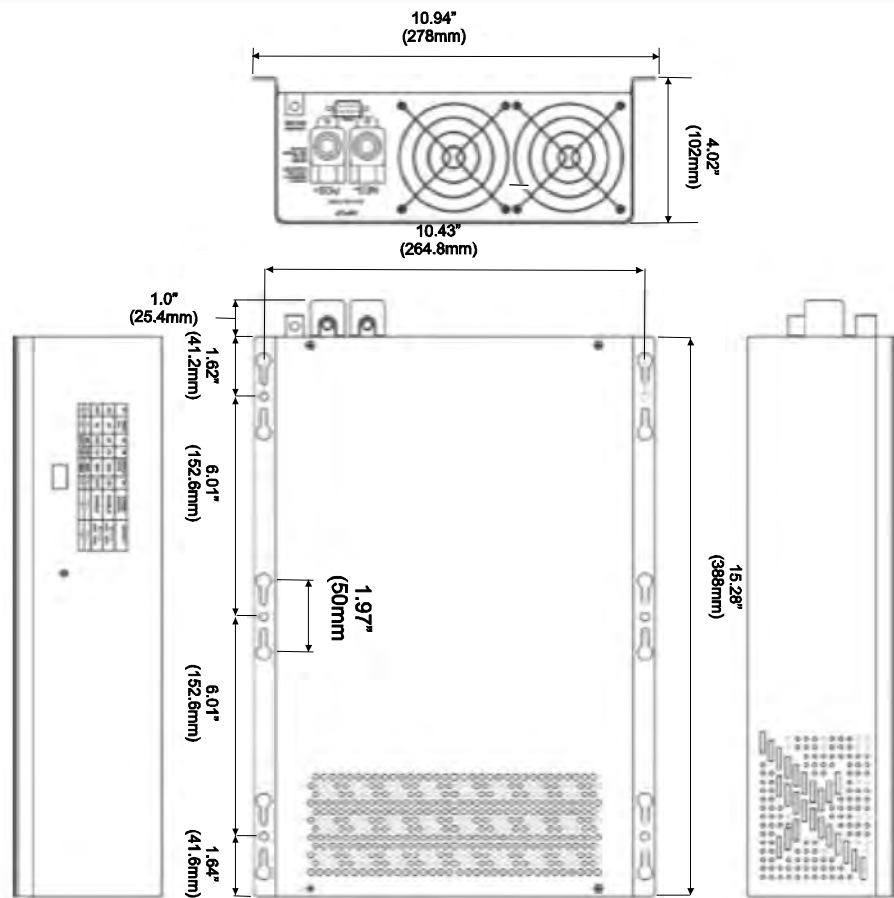
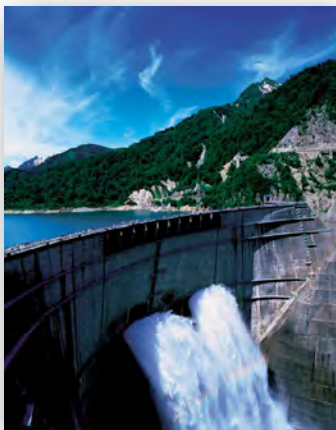
Misc:

Household items, kitchen appliances, home entertainment



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Inverter Model	AEP-1500-121	AEP-1500-371*	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) * -371 has front panel screw terminals					
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	24 - 41VDC	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.

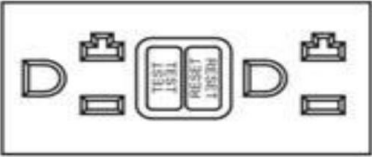
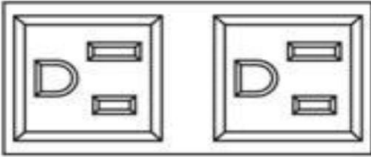
Schaefer, Inc. - 200 Butterfield Drive - Tel: 508-881-7330 - Fax: 508-231-0861 - sales@schaeferpower.com

AEP Series

Power Connector Selection Guide

Inverter Series	Description	Available Power Receptacles			
		Terminal Block (Suffix P1)	North American (Suffix P2)	GFCI (Suffix P3)	Universal (Suffix P4)
AEP-700	700W Module	•			•
AEP-1500	1500W Module	•	•	•	•
AEP-3000	3000W Module	•	•	•	•
AEP-5000	5000W Module	•	•	•	•
AEP-1000R	1kVA, 1U Rack	•	•	•	
AEP-A2000R	2kVA, 1U Rack	•	•	•	
AEP-2000R	2kVA Rack	•	•	•	•
AEP-U2000R	2kVA, DC Output, Rack	•	•	•	•
AEP-A3000R	3kVA, 1U Rack	•			
AEP-3000R	3kVA, Rack	•			
AEP-U3000R	3kVA, DC Output, Rack	•			
AEP-5000R	5kVA, Rack	•			

- Notes:
1. Add suffix to model number when ordering to designate chosen receptacle.
 2. Contact your Schaefer sales or technical professional to discuss GFCI receptacles.
 3. Contact your Schaefer sales or technical professional if a North American, GFCI, or universal receptacle is required on higher power units.

North America GFCI - (P3)	North America - (P2)
	
Universal - (P4)	Terminal Block - (P1)
