

## 3KVA 19" 1U Rack Pure Sine Inverter Compact 1U High Design

Schaefer's AEP-A3000R Series of ultra compact, 1U rackmount inverters provide 3KV A of pure sine wave AC power from a DC source.

Unlike modified or quasi-sine wave inverters, a pure sine wave offers "clean" power, ideal for powering sensitive or highly inductive/highly capacitive loads and for improving AC equipment performance. Low EMI levels allow for usage with minimum interference to other equipment such as TV's or sensitive navigational instruments.

The AEP-A3000R Series features an integrated utility bypass and is built to provide the dependable AC power that your systems demand.

### Features:

- Compact 1U, 19" rackmount design
- 12, 24 or 48VDC input
- Pure sine wave output
- Wide -30°C to +50 °C operating temperature
- Low cost
- High reliability and high efficiency
- Digital display shows:
  - Output Voltage
  - Output Current
  - Output Power
  - Input Voltage
  - Frequency
  - Temperature
  - Alarms
- RS232C interface with selectable baud rate
- Remote control port
- Remote control (optional)
- Temperature controlled cooling fan
- Advanced microprocessor design
- Protection features:
  - Overload
  - Input Low Voltage
  - Short Circuit
  - Low battery alarm
  - Input OVP
  - Over Temperature
- Simple installation and maintenance
- 100% burn-in test, 2 year warranty

### Applications:

Compact and ultralight, the AEP-A3000R Series is suited for worldwide industrial, office/residential and recreational use. The rugged 1U rackmount design and wide -30°C to +50° C operating temperature is ideal for even the most extreme mobile, military or marine environments.

#### Industrial equipment:

Power supplies, test equipment, building management/security systems, communications equipment, factory automation equipment, field portable instrumentation, remote facility power and lamps.

#### Computer equipment:

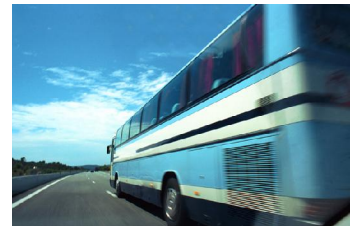
Computers, networking equipment, telecom equipment, printers, monitors, fax machines, scanners.

#### Machinery:

Tools and air compressors.

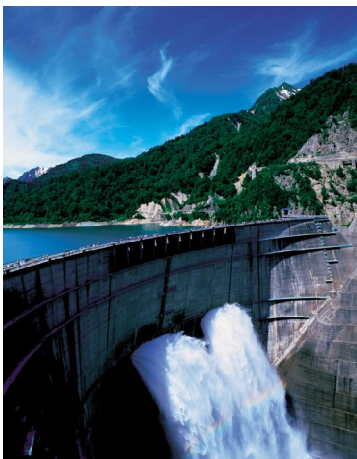
#### Misc:

Household electronics and appliances.

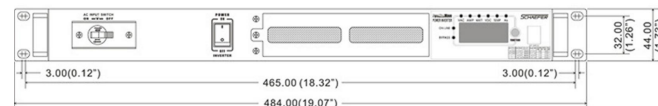
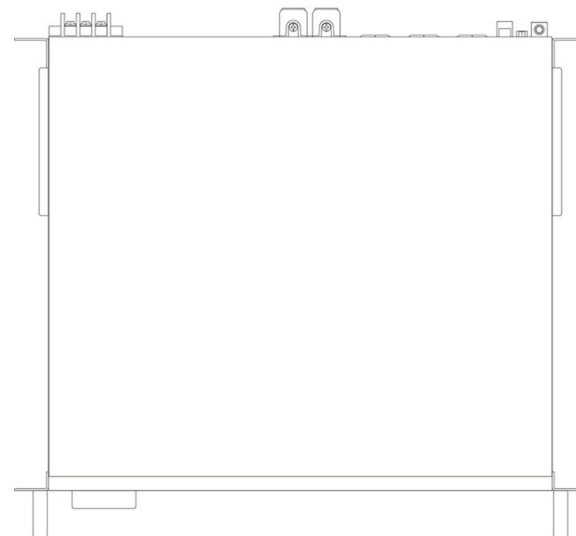
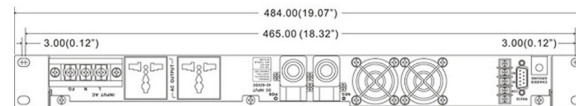


## 3KVA Rackmount Pure Sine Wave Inverter

Inverter Model	AEP-A3000R-121	AEP-A3000R-241	AEP-A3000R-481	AEP-A3000R-122	AEP-A3000R-242	AEP-A3000R-482
Continuous Output	2550W					
Output Surge Rating	3060W (1 min.), 3260W (3 sec.)					
AC Output Voltage	100 / 110 / 115 / 120VAC			200 / 220 / 230 / 240VAC		
Voltage Regulation	+/-3%					
Output Frequency	50Hz / 60Hz (Switch Selectable) ± 0.05%					
Peak Output Current	25A			11A		
Output Waveform	Pure Sine Wave <3% THD					
Efficiency	84%	87%	89%	85%	88%	90%
No Load Current Draw	1.4A	1A	0.55A	1.6A	1.1A	0.58A
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					
LED Indicators/Digital Display	OVP / UVP / OTP / OLP / VAC / AMP / WATTS / VDC / TEMP / Hz					
Remote Control Unit	Optional					
Interface Control Port	RS232C with Switch Selectable Baud Rate (2400/4800/9600/19200)					
Auto Bypass Switch	110VAC (90-130VAC) / 50-60Hz			220VAC (180-260VAC) / 50-60Hz		
Bypass Time	4-6 ms					
Operational Temp	-30°C to +50°C (-22°F to +122°F)					
Storage Temp	-30°C to +70°C (-22°F to +158°F)					
Cooling	Temperature controlled cooling fan					
Dimensions (LxWxH)	408mm (L) x 19" (W) x 44.0 (H) (16.06" x 19.00" x 1.73"), 1U					
Weight	10.5 kgs (23.14 lbs.)					



Rear Panel View



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

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