



2KVA 19" Rack Pure Sine Wave Inverter Compact 1U High Design

Schaefer's AEP-A2000R Series of ultra compact, 1U rackmount inverters provide 2KVA 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-A2000R 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 -20°C to +60°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
- 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
- UL 60950 Listed (110VAC Units)
- FCC Class B EMI
- CE Marked (LVD)

Applications:

Compact and ultralight, the AEP-A2000R Series is suited for worldwide industrial and office use. The rugged 1U rackmount design and wide -20°C to +60°C operating temperature is ideal for even the most extreme mobile, military or marine environments.

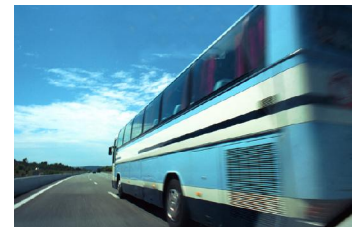
Safety and EMC:

Safety Approvals:

UL60950-1 Listed (File #E329635), CE Mark: EN60950-(LVD)

EMC:

FCC Class B
EN55022:1998/A1:2000/A2:2003(Class B)
EN55024:1998/A1:2001/A2:2003
EN61000-3-2:2000/A2:2005
EN61000-3-3:1995/A1:2001
IEC61000-4-2:1995/A1:1998/A2-2000
IEC61000-4-3:2002/A1:2002
IEC61000-4-4:2004
IEC61000-4-5:1995/A1:2000
IEC61000-4-6:1996/A1:2001
IEC61000-4-8:1993/A1:2000
IEC61000-4-11:2004



AEP-A2000R Series

2KVA Rackmount Pure Sine Wave Inverter

Inverter Model	AEP-A2000R-121	AEP-A2000R-241	AEP-A2000R-481	AEP-A2000R-122	AEP-A2000R-242	AEP-A2000R-482
Continuous Output	1600W	1700W	1700W	1600W	1700W	1700W
Output Surge Rating	1870W (1 min.), 2040W (20 sec.)					
AC Output Voltage	100 / 110 / 115 / 120VAC (Switch Selectable)			200 / 220 / 230 / 240VAC (Switch Selectable)		
Voltage Regulation	+/-3%					
Output Frequency	50Hz / 60Hz (Switch Selectable) ± 0.05%					
Peak Output Current	25A			11A		
Output Waveform	Pure Sine Wave <3% THD					
Efficiency	86%	88%	90%	87%	90%	92%
No Load Current Draw	1.45A	0.7A	0.45A	1.47A	0.8A	0.47A
AC Output Receptacle	P1 Type: AC Terminal Block (Standard), P2 Type: North American, P3 Type: North American GFCI					
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					
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					
Safety/EMC	See Page 1			See Page 1		
Operational Temp	-20°C to +60°C (-4°F to +140°F)					
Storage Temp	-30°C to +70°C (-22°F to +158°F)					
Cooling	Temperature controlled cooling fan					
Dimensions (LxWxH)	416.8mm (L) x 424.0 (W) x 44.0 (H) (16.41" x 16.69" x 1.73"), 1U					
Weight	9 kg. (19.84 lbs.)					

