



an EnerSys® company

INEX 1500

For installation in INEX Systems



- Pure sine wave inverter module
- Hot swappable replacement in shelf
- DSP design for higher system reliability
- Smart fan speed control
- N+1 redundancy system, load sharing difference <5%
- High power density
- Wide operation temperature range, -20 to 70°C (-4 to 158°F)

Alpha® Inverter Module INEX 1500 provides pure sine wave power to critical loads in telecom power applications.

It features a wide operating temperature range, -20 to 70°C (-4 to 158°F) for operations in harsh environments. The compact size delivers 1500VA/1200W of AC power in limited space. The modular design allows gradually incrementing the system capacity as the load demands increase.

Alpha Inverter Module 1500 for installations in INEX Systems

120Vac, 1500VA P/N 014-116-10/ 1000VA P/N: 014-114-10

230Vac, 1500VA P/N 014-117-10

Electrical	
DC Input	
Nominal Voltage:	48Vdc
Operating Range:	40.5Vdc~58Vdc
Input Protection:	Reverse polarity protection
Psophometric Noise Voltage:	≤1.0mV ITU-T 0.41 (16.66~6000Hz)
AC Output	
Power Rating:	1500VA/1200W
Waveform:	Pure sine wave
Power Factor:	0.8
Nominal Output Voltage:	110/115/120Vac 208/220/230/240Vac
Voltage Variation:	Max ±2%
Output Frequency:	50/60Hz
Crest Factor:	3:1
THD:	<3%, linear load <5%, non-linear load
Efficiency:	Min 88%
Isolation AC-Enclosure:	Basic isolation (Pri-Gnd) 2121Vdc/1min
Dynamic Response:	<±10%
Over Load Protection:	1.5*Inom >20s 1.25*Inom temperature controlled

Mechanical	
Dimension:	mm: 270D x 215W x 43.8H inches: 10.63D x 8.46W x 1.72H
Weight:	3.0kg (6.61lbs)
Environmental	
Operating Temperature:	-20 to 70 °C (-4 to 158 °F) -5 to 58 °C (23 to 122 °F) with full performance
Storage Temperature:	-40 to 85 °C (-40 to 185 °F)
Humidity:	90% RH non-condensing
Audible Noise:	55dB
BTU/hr:	1500 Module: 561 (DC priority) 1000 Module: 374 (DC priority)
Agency Compliance	
Safety:	UL 60950-1, CSA C22.2 No. 60950-1, EN 62477-1*
EMC:	EN 300 386:2016, Class B compliance
Marks:	UL Recognized, CE*
RoHS:	Compliant

*Applies to 230Vac module



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