

MILPOWER™ 350

A *Truly* Military Rugged Power Inverter

PRODUCT DATASHEET Rev. 1.01

FEATURES

GENERAL DESCRIPTION:

- DC/AC Power Inverter, 350 Watts, 24VDC In, 230VAC Out

ELECTRICAL SPECIFICATION:

- Input voltage: Nominal 24 VDC
- Input voltage tolerance: 18-32 VDC
- Output voltage: 230 VAC
- Output rating: 350 watts continuous
- Efficiency: over 85% nominal

MECHANICAL:

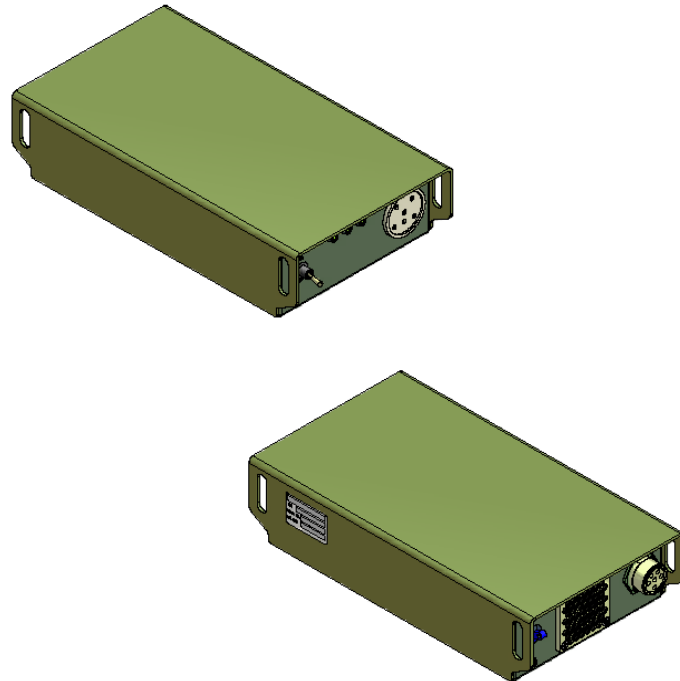
- Mil-grade-transit Case
- Positive pressure fan
- Over temperature protection
- Easy clean intake air filter

APPLICABLE STANDARDS:

- MILSTD-1275B, FCC part 15, MILSTD-810F GM, CE

VOLTAGE OPERATION:

- 24VDC (18-32VDC)



PRODUCT DESCRIPTION

Techaya's MILPOWER™ 350 is a MIL-STD rugged Tactical Power Inverter that is uniquely qualified for critical vehicle and land based systems combining advanced modular design features with highly reliable construction. The MILPOWER-350 is uniquely qualified for reliable vehicle, airborne, shipboard or land based C4ISR operations combining advanced modular design features with highly reliable construction.

Techaya's Tactical Power Inverter is an AC and DC power confectioning products that is ideally suited for applications requiring high-reliability, rugged construction, compact size and light weight design. The MILPOWER-350, Tactical Power Inverter are equally suited for use in airborne, vehicular, shipboard, field deployed or fixed locations with controlled or uncontrolled environments or any other equipment that has 24 VDC power source.

Unlike other inverters that require you to mount the inverter and then bolt up a cable, the Tactical Power Inverter systems can be quickly setup in the field without any tools.

Most fielded inverters have internal cooling fans, but no air filters. This results in the internal components eventually overheating from dirt buildup on the internal components. The Tactical Inverter units are equipped with an intake air filter that is easily taken off to wash when needed, thus protecting the equipment from sand and dust contamination. The Tactical Power Inverter incorporates a double pole input DC circuit breaker. This eliminates the fuse issues while providing added personnel safety, equipment protection and ease of maintenance.



PRODUCT SPECIFICATIONS

INPUT VOLTAGE:

- Input voltage: Nominal 24 VDC
- Input voltage tolerance: 18-32 VDC

OUTPUT VOLTAGE:

- Output voltage: 230 VAC
- Output rating: 350 watts continuous

MECHANICAL:

- Enclosure type: Mil Grade Transit Case Optional
- Dimensions (HxLxW): 80mm X 350mm X 191mm
- Weight: 2.5 Kg
- Cooling type: Positive pressure fan. Over temp. protection

REAR PANNEL:

- Input circuit breaker

FRONT PANNEL:

- Output ON/OFF switch
- Output circuit breaker
- Fault light - display fault condition

PROTECTION FEATURES

- MIL-STD-1275B
- Reverse Polarity Protection
- Input voltage above/below the specified limits
- Overheating Protection
- Input & output circuit breaker protection
- Output Protection against over Voltage and over load
- Output Protection against Short Circuit
- 1.5KV isolation from input to output

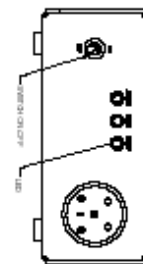
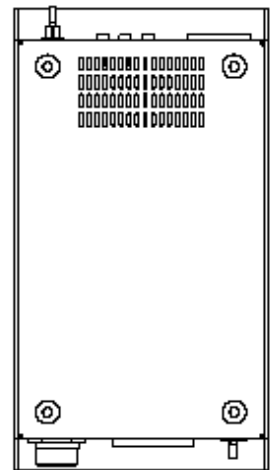
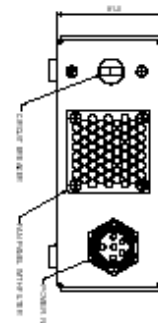
ENVIRONMENTAL

- Operational Temperature: - 5° C to +50° C
- Humidity: 95%
- Rain and exposure to dripping water
- Vibration - Accordance with MIL - STD- 810F Method 514.5, Proc. I
- Half sine shock of 40g 11msec in accordance with MIL- STD - 810F Method 516.5 inside transit case
- Loose Cargo Vibration according with MIL -STD- 810F, Method514.5 Proc II Category 5 inside transit case

EMC/EMI

- FCC Part 15 Class A

Dimensional Line Drawing



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MILPOWER-350	MILPOWER-350, DC/AC Power Inverter, 350 Watts, 24 VDC In, 230 VAC Out
MILPOWER-CBL	Input Power Cable set for MILPOWER350, MIL-D-38999 to Open Wire, 15 feet length
MILPOWER-CASE	Mil Grade Transit Case

