

INV Series

A wide variety of DC to AC power conversion solutions to fit many different applications

- Power ranges from 100-1000 watts
- Input operating voltage ranges from 10-50VDC
- High efficiencies of up to 93% across the product line
- Built for higher temperatures
- Mechanical enclosure designed for most environments
- Multiple color options



Ruggedized Inverters Designed for Harsh Environments

DC-AC solutions for vehicle, battery, solar panels & renewable energy solutions allow for field applications and non-conventional applications.

The **MIL-INV*Series*** family of products provides reliable, cost effective DC to AC inverter power solutions. The different power levels range from 100-800 watts and have no forced air cooling. The heat produced by the internal power conversion is removed by the exterior cooling fins. Options are available with 12VDC, 24VDC & 48VDC input ranges with either a True Sine Wave or Modified Sine 120VAC or 230VAC output. The fully sealed enclosure will ensure that sand, dust, debris, rain & other environmental conditions will not impact the functionality of the inverter. The ruggedized mechanical design will meet drop, shock & vibration standards of MIL-STD-810F and continue to perform as specified.

Effectively Convert Direct Current (DC) to Alternating Current (AC)

The **MIL-INV*Series*** family of high reliability inverter solutions offers DC to AC solutions for your system needs. Standard commercial off the shelf (COTS) part number solutions provides shorter lead times while maintain the rugged design. The utilization of binding posts allows for easy input wire installation. Whether your application calls for in house or field use, the **MIL-INV*Series*** is an easy choice.

Example applications include:

- Harsh Environments
- Vehicle Equipment
- Alternative Energy
- Lighting
- Field Applications

DC to AC Power Solutions for Harsh Environments

Part Number	MIL-INV-150	MIL-INV-400	MIL-INV-800
Power Capability	150 Watts	400 Watts	800 Watts
Phase	Single	Single	Single
Output Voltage	120VAC or 230 VAC	120VAC or 230 VAC	120VAC or 230 VAC
Input voltage	12, 24 or 48VDC	12, 24 or 48VDC	12, 24 or 48VDC
Output Sine Wave	Modified or True Sine	Modified or True Sine	Modified or True Sine
Efficiency	Up to 93%	Up to 92%	Up to 91%
No load Current	< 0.3A	< 0.75A	< 0.95A
Operating Temperature	-20 to +50C	-20 to +50C	-20 to +50C
Enclosure Rating	Environmentally sealed	Environmentally sealed	Environmentally sealed
Output connectors	Standard wall outlet	Standard wall outlet	Standard wall outlet
Over Temperature Protection	Yes	Yes	Yes
Over Load Protection	Yes	Yes	Yes
Battery Input Protection	Yes	Yes	Yes

A wide range of options are available to suit your design parameters.

- Multiple input voltages available
- Environmentally Sealed Chassis and Connectors
- 120VAC & 230VAC Output
- Modified and True Sine Wave
- Wide variety of DC inputs
- LED displays for power and fault conditions
- Multiple mounting configurations
- Custom chassis options available

For more information:
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