



**Sensata**  
Technologies

## **DIMENSIONS™ | 24VDC In, 300W to 800W Out** Single Phase, Pure Sine DC to AC Power Inverters

### Markets & Applications

- Recommended for 24VDC military applications requiring mobile AC power in a high dust, vibrating environment.

### Features & Highlights

- Cage code: 55YR1
- Pure sine wave, <5% THD typical
- Output: 300W to 800W, 120VAC  $\pm 5\%$ , 60Hz  $\pm 0.05\%$
- Operating Temperature, MIL-24Z8NVQ: -37°C to 50°C (-35°F to 122°F)
- Operating Temperature, MIL-24/300NQ: -37°C to 70°C (-35°F to 158°F)
- Thermally-controlled cooling fan
- Heavy-duty conformal coating on circuit boards
- Ventless cover for moisture and dust resistance
- ON/OFF rocker switch (MIL-24/300NQ only)
- Outdoor plug cover (MIL-24/300NQ only)
- Optional NATO plug on input cable (MIL-24/300NQ only)
- Automatic electronic short circuit/overload protection
- Automatic high temperature shutdown
- Automatic low battery shutdown at 21 VDC (with in-rush delay)

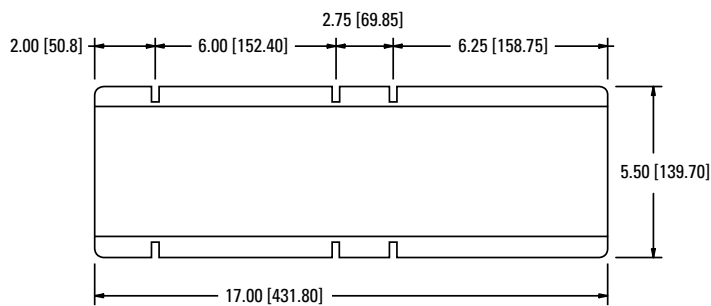
### INVERTER SPECIFICATIONS

| MODEL NUMBER               | MIL-24/300NQ                            | MIL-24Z8NVQ                             |
|----------------------------|---|---|
| NSN                        | 6130-01-435-0020                        | —                                       |
| Output Power (Watts Cont.) | 300 @ 25°C (77°F)<br>150 @ 70°C (158°F) | 800 @ 25°C (77°F)<br>500 @ 50°C (122°F) |
| Output Current (Amps AC)   | Up to 2.5                               | Up to 7                                 |
| Peak Output (Amps AC)      | 6                                       | 35                                      |
| Input Current (Amps DC)    | Up to 15                                | Up to 40                                |
| Weight (lbs)               | 14                                      | 26                                      |
| Dimensions (LxWxH, inches) | 12.5 x 6.25 x 5.25                      | 17 x 5.5 x 6.75                         |

DIMENSIONS™ Is a trademark of Sensata Technologies

## Footprint Dimensional Drawings, inches [mm] :

### MIL-24Z8NVQ - Case "Z", Height = 6.75" [171.45mm]



The World Depends on Sensors and Controls

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