

PRODUCT OVERVIEW

CRANE INVERTER PURE SINE WAVE NEMA 4

250 VDC Input
3000 Watts
5000 Watts



FEATURES & APPLICATIONS

The Steel Mill 250 VDC Crane Inverter is specifically designed to operate in harsh environmental conditions found near cranes and steel mills.

The inverter is adapted to convert 250 VDC system voltages to 120/240VAC to allow the use of standard air conditioning units on DC cranes.

Features

- NEMA 4
- Designed to operate in harsh environmental conditions

Applications

- Lights
- Air conditioner
- Small heater in a crane cabin
- Small AC in a crane cabin

TECHNICAL SPECIFICATIONS

DC LINE INPUT:

- **Steady State voltage:** 250 to 400VDC RMS
- **Maximum (Temporary) voltage:** 200 to 650VDC RMS
- **Under voltage trip point:** 185VDC RMS

AC OUTPUT:

- **Output voltage (VAC):** 120 /240, Single phase
- **Frequency:** 60Hz

OPERATING LIMITS:

- **IP rating:** IP-66 and IP-52 (NEMA 4 & 12)
- **Operating temp. range:** 32 – 122°F (0 - 50°C)
- **Humidity:** 0 – 90%
- **Automatic High Temperature shutdown**
- **Under / Over Voltage Protection:** Under 185Vdc / Over 550Vdc
Stops the unit and wait 45 to 60sec before to restart

MODEL SELECTION

Model number	INV-250/3000-SM	INV-250/5000-SM
Output Power (W)	3,000	5,000
Output Power (HP)	4.02	6.70
Max starting current allowable (A) up to 40 seconds (at 120VAC)	48	79
Maximum starting power (HP) Up to 40 seconds	7.5	12.3
Output Voltage	120/240 VAC	
Output Power in BTU/hr	Up to 10,000	Up to 17,000
Output Frequency	60Hz	
Dimensions (WxDxH)	30.6 x 13.8 x 18.8 in (777 x 350 x 476 mm)	
Weight (lbs)	156	195

**10,000W model under development*