

# Features

- Navi/marine 3AC-inverter
- Base plate cooling
- High efficiency, compact design
- Robust, high reliability
- For critical ambient conditions

# Defense Application

## IPS1200 Series

# 1200 VA DC/AC 3AC-Inverter for Special Applications



Module Features Table

| Nom. Input Voltage [VDC] | Output Voltage [V3AC] | Output Power [VA] | Output Current [A] | Dynamic Accuracy [%] | Line and Load Reg. [%] | Efficiency typ. [%] |
|--------------------------|-----------------------|-------------------|--------------------|----------------------|------------------------|---------------------|
| 48                       | 115                   | 1200              | 6                  | ±3                   | ±3                     | 90                  |



### Input voltage

48VDC (±10%)

### Input current

30A @ 44VDC (P<sub>OUT</sub> nom.)

### Efficiency

90%

### Start

- Vin= 43VDC (±0.5V)

### STOP

- Vin= 41VDC (±0,5V)

### Signal FAIL

If the Vout is OK the signal Fail is high

### Output protections

- Over load
- 120% of Inom x 10 min.

### Auxiliary output DC

- 26VDC/1A

### Start up time

<1s

### Output power

1200VA

### Inhibit input

- ON: Signal high or floating
- OFF: Signal low <0.5VDC

### Output

3 x 115VAC, 400Hz

### Operating temperature

-10°C to +55°C

### Storage temperature

-40°C to +85°C

### Cooling

Base plate contact

### Dielectric withstand voltage

- Conform to EN 62368-1

### Isolation

- >200MΩ with 500VDC

### Comply with

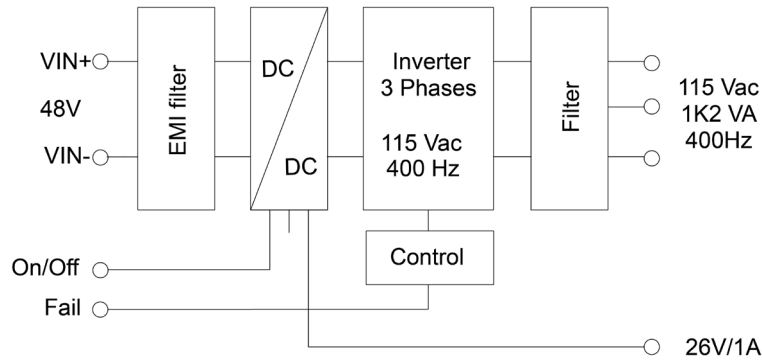
- MIL-STD-461F (Cat. Submarine)
- AECTP-400 (Edt.3) Method 403
- AECTP-400 (Edt.3) Method 401
- MIL-STD-810F 807.4
- CE

### Weight

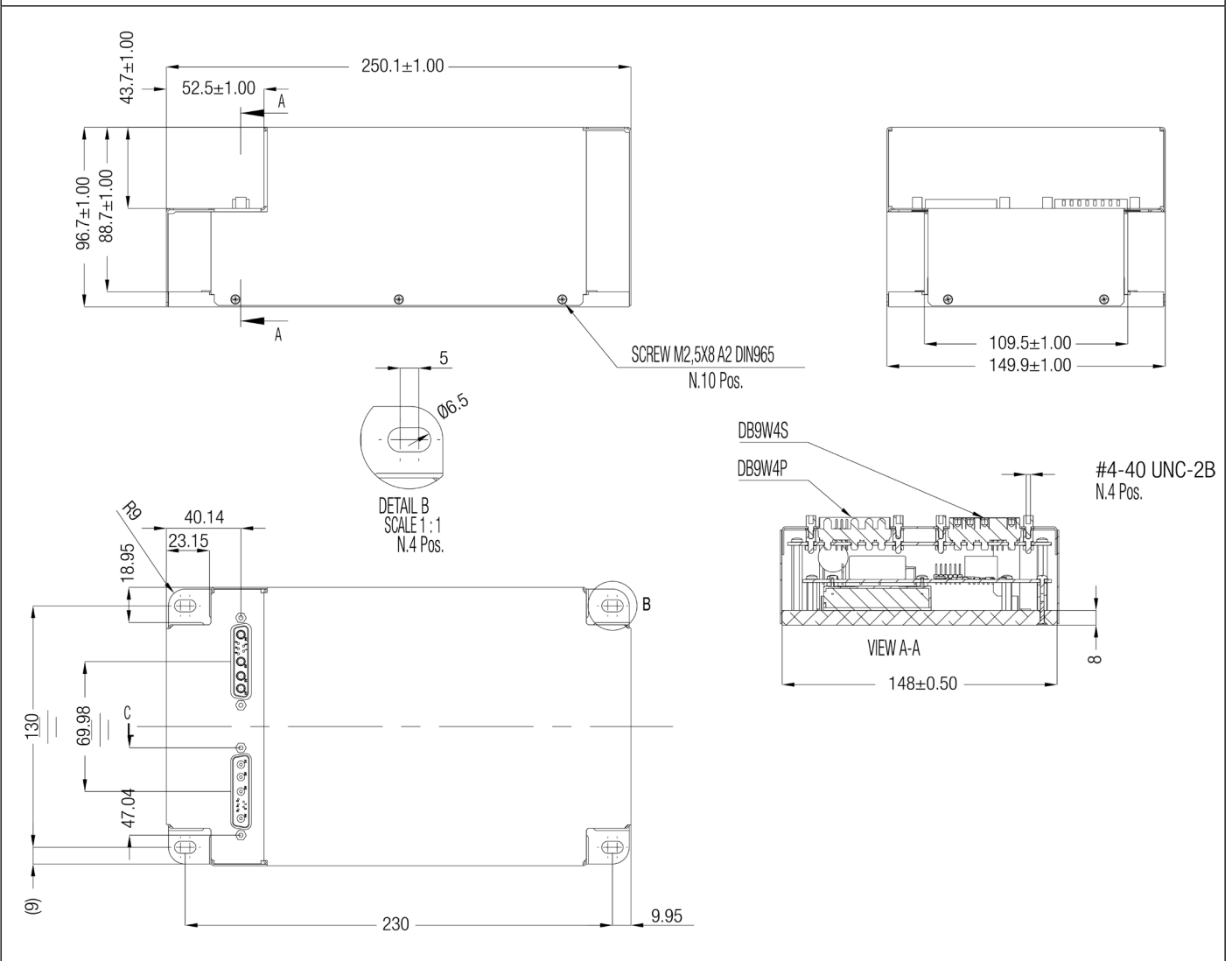
3kg

**Specifications** (measured @ Ta= 25°C, nom. Vin, full load and after warm-up unless otherwise stated)

### BLOCK DIAGRAM



### DIMENSION AND PHYSICAL CHARACTERISTICS



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