



1023131400

EA1400

SPA V2 Amplifier 1 x 400W

- 1x 400 watt continuous effect
- Power efficient class D technology
- 110-230 VAC power
- 2HU
- Loudspeaker line monitoring



MED Certification



Onboard communication Audio

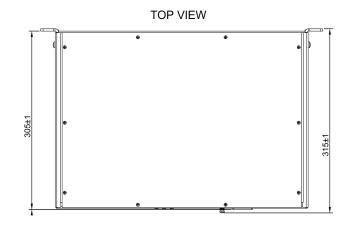
Description

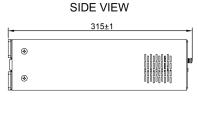
The EA1400 SPA V2 Amplifier is an analog class D amplifier designed for use in marine, offshore and other demanding environments. The amplifier utilizes state-of-the-art class D amplifier technology to ensure high power efficiency and superb audio quality.

The amplifier is self-monitoring including basic monitoring of the speaker lines. The audio output channels can be monitored for line faults such as shorts circuits and ground faults.

Technical Dimensions

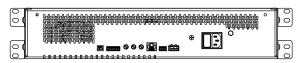
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REAR VIEW



All dimensions in mm

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Specifications

MECHANICAL

| Dimensions (HxWxD) | 87 x 482 x 308 mm |
|--------------------|-------------------|
| Weight | 10 kg |
| Shipping Weight | 11.5 kg |
| Mounting | 19" Rack, 2HU |
| Color | Black |

USER INTERFACE

| Indicators | Power, Fault, Line error, VU meter |
|---------------|---------------------------------------|
| Audio control | Volume, Bass, Treble, Pilot tone |

ENVIROMENTAL

| Operating temperature | -15°C to +55°C |
|----------------------------|-----------------------------|
| Operating humidity | 15% to 95% (non-condensing) |
| Storage temperature | -40°C to +70°C |
| Storage humidity | 10% to 95% (non-condensing) |
| Air pressure | 700 hPa to 1300 hPa |
| IP rating | IP-32 |
| Environmental Condition | Protected |

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ELECTRICAL

| Connector | V-lock, IEC 60320-1 C14 compliant | |
|-------------------|---|--|
| Nominal voltage | 100 – 230 VAC, 50-60 Hz | |
| Inrush current | Max 22.5A | |
| Power consumption | P(idle) ≤ 32 W, P(nom) = 570VA, P(overload) = 650VA | |

LINE CONNECTION

| Nominal input level | 500 mVRMS – 1 VRMS |
|--|--------------------|
| Input impedance | 10 kΩ |
| Input level to trigger VOX for optional bypass | >35 mVRMS |

AUDIO OUTPUTS

| Output power | 400W music @ 55°C continuously, 400W alarm @ 55°C 30 min. |
|------------------------|---|
| Output line technology | 100 volt / 70 volt |
| Frequency response | 200 Hz to 19 kHz ±3 dB |
| SNR | 79dBA, A-weighted noise -81dBA |
| THD | <0.3% @ 1kHz @ 400W |
| Rated load resistance | 100V: 25Ω, 70V: 12.5Ω |
| Rated load capacitance | 470nF |
| | |

LINE MONITORING

| Short circuit detection 100V / 70V | $<\!12\Omega/<\!6\Omega$ impedance @ pilot tone enabled |
|--------------------------------------|---|
| Ground fault detection 100V / 70V | $<\!100\Omega/<\!70\Omega$ impedance @ pilot tone enabled |

FAULT RELAY

| nded 0 VDC, ching | | (COM, NO, NC) |
|-------------------------|--|---------------|
|-------------------------|--|---------------|

CERTIFICATIONS

| Environmental | EN 60945 |
|----------------------|---|
| Immunity - Emissions | EN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-5, EN/IEC 61000-4-6, EN/IEC 61000-4-11 |
| Safety | IEC 60529 |

Used With



SPA-400D-V2

PA Main Unit,19" Rack