

Model Number

2100E21-100

SMARTAMP POWER AMPLIFIER FOR POWERING ELECTRODYNAMIC EXCITERS

Revision: NR

ECN#:

PERFORMANCE

Amplifier Efficiency	92% ^[1]
Output Voltage (max)	21 V RMS ^[2]
Current Limit	18 A peak ^[3]
Output Power	100 W ^[4]
Distortion	< 0.1% ^[5]
Frequency Response (+0 to -3 dB, 4 Ω load)	0.4 to 40,000 Hz
Voltage Gain (max)	20 dB
Input Impedance	10 kΩ
Output Impedance	30 mΩ ^[6]
Cooling	Convection ^[7]
Protection Features	Interlock Switch, DC Fault Detection, Clip Detection, Over-Current Detection/Over-Temperature Detection, Safe Start in Mute Mode

NOTES:

- [1] At full power output
- [2] At 4 Ω load impedance, 1 kHz, THD 0.1%
- [3] Typical, over-current protection limited
- [4] At 4 Ω load impedance, 1 kHz, THD 0.04%
- [5] Typical, THD + noise 10 Hz – 20 kHz, 2 Ω load, 50 W
- [6] At frequencies less than 1 kHz
- [7] 40 mm silent fan, automatically controlled

ELECTRICAL

Input Power, Voltage	100-120 or 220-240 VAC
Input Power, Frequency	48 to 62 Hz

PHYSICAL

Size (Height x Width x Depth)	3.5 in x 17.3 in x 14.6 in (9 cm x 44 cm x 37 cm)
Weight	8.5 lb (3.8 kg)
Input Connector	BNC Jack
Output Connectors	Screw Terminals
Interlock Connectors	Screw Terminals
Front Panel UI	Two row character LCD, four function keys

SUPPLIED ACCESSORIES

- Power Cable
- Rack Mounting Brackets
- Rubber Feet
- Spare Fuses

All specifications are at room temperature unless otherwise specified.
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