

# Electro-Voice C3600FDIUS C-Series DSP Power Amplifier 2x1800W US

Load Impedance	2 Ohms 2.7 Ohms 4 Ohms 8 Ohms
Maximum Output Power	Single Channel 2 Ohms: 3200 W 2.7 Ohms: 2700 W 4 Ohms: 1800 W 8 Ohms: 950 W  Dual Channel 2 Ohms: 3000 W 2.7 Ohms: 2500 W 4 Ohms: 1700 W 8 Ohms: 900 W High-Impedance 70 V: 2 x 1250 W High-Impedance 100 V: 2 x 2500 W  Bridged 4 Ohms: 6000 W 8 Ohms: 3400 W
Impedance	High-Impedance Operation: 70 V, 100 V
Maximum RMS Voltage Swing	90.6 V
Voltage Gain	32.0 dB (ref 1 kHz)
IMD SMPTE	IMD-SMPTE, 60 Hz, 7 kHz: < 0.1%
DIM 30	< 0.05% (3.15 kHz, 15 kHz)
Maximum Input Level	+21 dBu
Crosstalk	< -80 dB (ref. 1 kHz, at 100 W / 4 Ohms)
Frequency Response	10 Hz to 21 kHz ( $\pm 1$ dB)
Input Impedance	20 kOhms
Signal-to-Noise Ratio (SNR)	> 109 dB (A-weighted)
Output Noise	< -68 dBu (A-weighted)
Total Harmonic Distortion	< 0.05% (at 1200 W / 4 Ohms MBW = 80 kHz, 1 kHz)
Topology	Class-H
Signal Processing	FIR filters Audio limiters Output delay per channel 31-band GEQ per channel PEQ per channel Load impedance
Protection	Audio limiters High temperature DC HF Back-EMF Peak current limiter Inrush current limiters Turn on delay
Cooling	Front-to-rear, 3-stage fans
Safety Class	I
Color	Black
Operating Temperature	40 to 105°F / 4 to 41°C
Power	Power Requirement: 120 VAC, 60 Hz Power Consumption: 850 W (1/8 maximum output power @ 4 Ohms) Mains Fuse: T30AH
Dimensions (H x W x D)	3.5 x 19.0 x 18.2" / 88.9 x 482.6 x 462.3 mm
Weight	40.1 lb / 18.2 kg