FURMAN
a Nice brand



ELITE-16 PF E i

ULTRA-LINEAR FILTERING AC POWER CONDITIONER

FEATURES

- Power Factor Technology provides over 80 Amps peak chargesurplus current for power-starved amplifiers
- Ultra-Linear Filtering Technology for stunning audio and video clarity
- Series Multi-Stage Protection provides virtually maintenance free AC surge suppression
- Zero ground contamination circuitry protects critical digital components
- Ultrasonic bi-filtering isolates digital and video circuits from analog components
- Retractable LED lamps illuminate a cabinet or rack full of equipment

For over 34 years, Furman has pioneered the development of AC power products for the most demanding audio, video, and broadcast professionals. Though the need for pristine AC power is nothing new, the Elite-16 Power Factor E i's technology and its unique implementation are revolutionary and without peer.

The extreme AC demands encountered in the professional audio / video arena have required technological developments far in excess of typical home theater/audiophile power products. In studios, live sound, and broadcast facilities, breakdown is unacceptable. Equipment failure or poor performance is costly. The same is true of today's home theater. Our solution based technology, extensive engineering expertise, and robust build quality have answered the challenge of today's corrupted power lines, and led to the creation of the Elite-16 PF E i.

Today's power lines are plagued with RF and EMI noise. When connecting sensitive equipment to your home's power outlet, AC noise couples into your system's critical components, masking low level signals and crippling performance. This low level content is critical because it relays the crucial harmonics and ambience in audio, as well as the depth and clarity in video. The Elite-16 PF E i is so substantial in its ability to unmask critical signal content, its performance is surpassed only by the Furman Reference Series. With Furman's Ultra-Linear Filtering, televisions, projectors, DVD players, amplifiers, and processors are fed pristine AC power. For the first time, you will see and hear your theater or audio system as it should be – uncompromised.

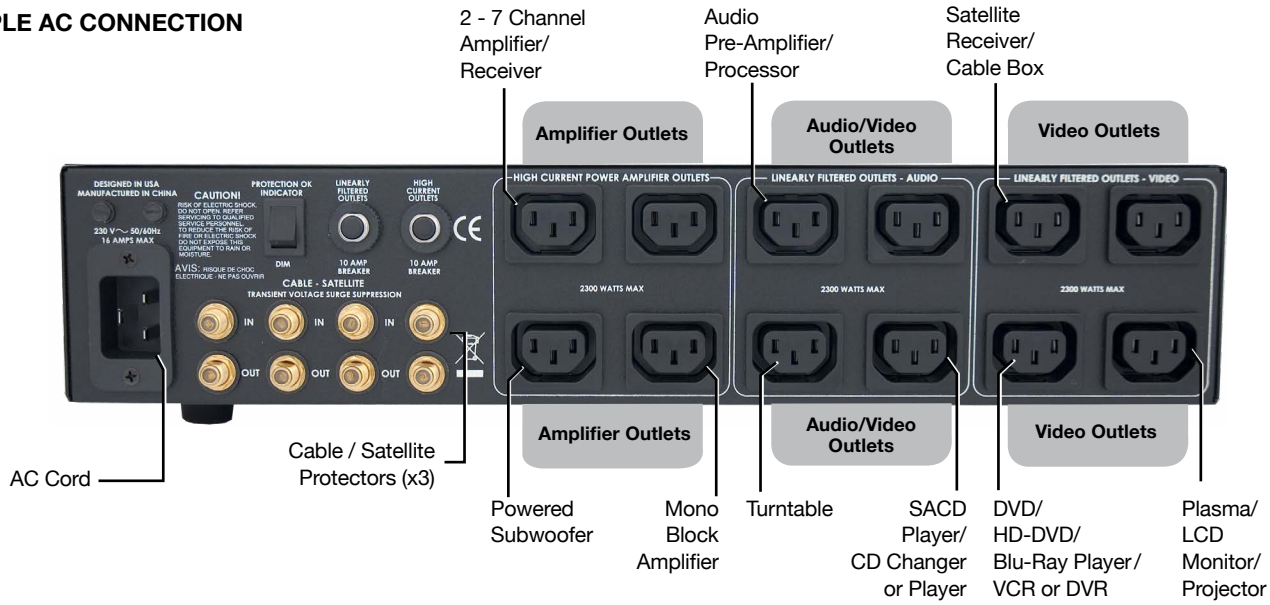
Another critical feature is our exclusive Series Multi-Stage Protection featuring Extreme Voltage Shutdown (EVS). This virtually maintenance-free surge suppression assures the highest level of AC protection possible, without sacrificing itself when the offending surge is severe – no damaged equipment, no service calls, no down time. Further, our famous retractable front panel LED lamps allow easy viewing of either a rack or cabinet full of equipment, even when your theater lights are off.

The essence of the Elite-16 PF E i is Furman's unique Power Factor Technology. For the first time, low-level analog, digital, and video components are not modulated or distorted by the power amplifier's extreme AC current demands. Further, the power amplifier is fed a highly filtered, extremely low-impedance supply of AC power. The Elite-16 PF E i, in fact, has in excess of 8 Amps of continuous current reserve (over 80 amps peak charge) for the most extreme peak power demands. This technology enables power amplifiers and powered subwoofers to operate at maximum efficiency, reaching levels of performance previously unattainable.

No longer will your amplifier's performance be at the mercy of your home's incoming AC power or inferior AC protection/filtering devices. The net effect is as if your power amplifier virtually doubled in power and improved immeasurably in quality.

When employing the Elite-16 PF E i, you will immediately notice far clearer, stunningly focused sound and visual images from your system. Video presentation will be crisp and colors true with greater gray and black scale definition, as well as noticeably improved depth and clarity. Sonic transients will be startlingly fast with bass fundamentals that shake foundations with their weight and visceral impact. Mid and high frequencies will bloom with sweet, non-glaring ease as imaging improves dramatically, all the while remaining true to your system's inherent virtues.

EXAMPLE AC CONNECTION



Elite-16 PF E i SPECIFICATIONS

AC Current Capacity
Input - 16 Amp capacity required
Output - 7-15 Amps RMS (maximum, all outlets combined - continuous)

Linear Noise Attenuation
Transverse (Differential) Mode
>40 dB from 5 kHz. - 100 kHz.
>80 dB from 100 Khz. – 1GHz.
(Linear attenuation curve from 0.05 – 100 ohms line impedance)

Transient Voltage Surge Suppression
230VAC Line (Series Multi-Stage Protection, non-sacrificial with zero ground contamination, 266V peak clamping @ 6000V 3000A input)
Telco, Cable / Satellite (Less than .1dB line loss)

Power Consumption
12 Watts for display and control circuits independent of actual load

Weight
8.16 kg.

Outlets
4 (Linearly filtered audio-video outlets)
4 (Linearly filtered outlets with additional ultrasonic filtering for video components)
4 (Power Factor Technology amplifier outlets – 9 amps RMS reserve - reactive load - over 80 amps peak charge)

Dimensions
101.6 mm H x 431.79 mm W x 374.65 mm D (Standard 2 RU height without feet)

Three Year Limited Warranty
Elite i Series units are protected by a limited three year warranty covering defects in materials and workmanship.

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