



## Elite-20 Power Factor 20A Power Conditioner

ELITE-20 PF i

SKU: 61940    UPC: 654061027836

### **Furman Elite-20 PF i Ultra Linear AC Power Source – Ultra-line Profile with Superior Technology**

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. Furman's 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-20 PF i.

### **Use Your Entertainment Equipment Up to Its Full Potential**

With today's chaotic demands on many municipal power facilities, AC voltage is often reduced so that it can be stretched to fulfill excess demand. This creates a substantial negative impact on your system's performance. Power amplifiers and powered sub-woofers cannot perform to their full potential. Even a relatively modest reduction in AC voltage can obliterate the sonic impact of an otherwise superior system. Just as problematic are excessively high line voltages. Excess voltage can overheat sensitive circuits; lower the life and reliability of projector lamps, and cause many circuits to shut down. With the SPR-20i's exclusive Stable Power AC Voltage Regulation Technology, voltage-starved power amplifiers and powered sub-woofers perform at their full potential. With the SPR-20i, home theaters are supplied with constant, virtually unwavering AC voltage. This assures trouble-free service for any environment suffering from unstable power.

### **Delete the Line Noise and Get Pure Quality Sound**

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-20 PF 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.

### **Uncompromising Surge Protection**

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 Elite-20 PF i also features remote control capability via 12V triggering, compatible with the 12V triggering devices commonly found in power receivers and pre-amp processors. Additional products (such as a remote subwoofer) can be daisy-chained from the 12V output jack for an additional triggered unit. The 12V triggering feature may be bypassed if desired.

### **Unique Technology for Clean, Clear Sound and Video**

The essence of the Elite-20 PF i is Furmans unique Power Factor Technology. For the first time, low-level analog, digital, and video components are not modulated or distorted by the power amplifiers extreme AC current demands. Further, the power amplifier is fed a highly filtered, extremely low-impedance supply of AC power. The Elite-20 PF i, in fact, has in excess of 4 Amps of continuous current reserve (over 55 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 amplifiers performance be at the mercy of your homes 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-20 PF 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 systems inherent virtues.

### Features

- SMP provides the highest level of protection available
- LiFT significantly reduces AC line noise
- V.S. protects equipment from dangerous overvoltage conditions
- Zero ground contamination circuitry protects critical digital components
- Power Factor Technology provides over 55 Amps peak charge surplus current for power-starved amplifiers
- Ultrasonic bi-filtering isolates digital and video circuits from analog components
- Retractable LED lamps illuminate a cabinet or rack full of equipment
- Detachable module for telco surge suppression and 3 pairs of cable / satellite TVSS isolated F-connectors
- 12 Volt triggering for remote control

General Family Elite Series Line Voltage 120 (Volts) Number of Outlets 13 Number of Isolated Banks 3 Outlet Descriptions 1 (Ultra-Linearly filtered outlet - front panel), 8 (Ultra-Linearly filtered outlets with additional ultrasonic filtering for either video or audio components, 4 with 12V triggering), 4 (Power Factor Technology amplifier outlets  $\approx$  4.5 amps RMS reserve - reactive load - over 55 amps peak charge, 2 with 5 second delay via 12V triggering) Rack Mountable Yes Rack Ears Included Yes Front Panel Meter(s) No Front Media Light(s) 2 Retractable LED lamps Control On/Off switch and light dimmer knob on front panel. 12 Volt triggering for remote control. Voltage Regulation No Compliance NRTL-C USB Charging N/A Low Voltage Trigger 12 V, In/Out Dimensions 4" H x 17" W x 14.75" D (Standard 2 RU height without feet) Weight 18 lbs Power Consumption 12 Watts for display and control circuits independent of actual load AC Protection AC Protection Technology Extreme Voltage Shutdown Series Multi-Stage Protection Non-sacrificial protection with zero ground contamination Under-Voltage Shutoff 85V Over-Voltage Shutoff 140V  $\pm$  3V Maximum Current Rating 20 (Amps) Initial Clamping Level 188 VAC peak @ 3,000 Amps Filtration Filtration Technology LiFT Filtration Rating Transverse (Differential) Mode: > 40 dB from 5KHz. - 100 kHz.; > 80 dB from - 100 kHz.  $\approx$  1GHz. Common Mode: > 40dB from 10Hz.  $\approx$  30 kHz.; > 20 from 40 kHz.  $\approx$  1MHz. (Linear attenuation curve from 0.05  $\approx$  100 ohms line impedance) Signal Line Protection 1 Tel 3 Cable/Satellite Shipping Info Length 21.6 (Inches) Width 19.7 (Inches) Height 8.4 (Inches) Weight 22.9 (Lbs) Unit of Measure Each UPC 654061027836 Master Pack Qty 1