

FURMAN**P-2300 IT E****PRESTIGE SERIES**
SYMMETRICALLY BALANCED POWER CONDITIONER

Designed for the most critical, ultra-low noise installations, the P-2300 IT E can supply 10 amps of balanced AC power for recording studios, broadcast stations, video production facilities, or any environment requiring a studio quality signal to noise ratio.

The P-2300 IT E features a specially wound and shielded toroidal balanced isolation transformer specifically designed to reduce hum pickup by sensitive equipment when ultra-low-noise is a must. Additionally, Furman's revolutionary Series Multi-stage Protection (SMP) circuits, as well as our exclusive Linear Filtering Technology (LiFT) are combined to ensure what our customers have grown to expect from Furman - uncompromised protection and purification.



Furman's exclusive SMP Technology provides the highest level of surge & spike protection available



LiFT offers linear AC power filtering to ensure clean power for unequaled audio & video clarity



Advanced EVS circuitry detects dangerous voltage irregularities and safely powers down itself and connected equipment in unsafe conditions



100 % isolated symmetrically balanced power for the lowest noise floor possible



Large LED voltmeter/ammeter displays incoming voltage and output current draw



Protection OK, Extreme Voltage and color-coded voltage range indicators provide information on power quality and operational status of unit



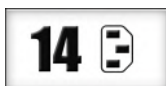
Front panel USB convenience outlet allows you to charge most media devices or power a USB lamp



Isolated outlet banks minimize inter-component interference and noise contamination



10 amp rating featuring a high inrush magnetic circuit breaker for added protection



Fourteen total outlets (Twelve rear panel outlets and two front panel convenience outlets)



SMP (Series Multi-Stage Protection)

Audio/Video professionals can never accept down time, corrupted data, or unreliability. It is for this reason that a virtually non-sacrificial transient voltage surge suppression systems, such as SMP, is the best choice for critical applications. With Furman's SMP, there is zero downtime. In fact, these circuits can typically handle multiple 6000 volts or 3000 amp pulses without sustaining any damage.



LiFT (Linear Filtering Technology)

With Furman's LiFT, differential AC noise is reduced linearly, across a very wide bandwidth, even extending into the video frequencies. This results in a lower noise floor for your audio system, improved picture on your video display, and protection from possible data corruption and losses caused by low-level differential AC noise fed into digital systems.



EVS (Extreme Voltage Shutdown)

Furman's EVS constantly monitors incoming voltage, and once any overvoltage condition over 275 volts AC is detected, a relay opens which immediately shuts down the unit and all connected equipment. An indicator light informs the user there is a problem, and once the condition has been corrected, the unit may be reset and will operate normally.



Symmetrically Balanced Power

For the most critical, low-noise applications, Furman's Symmetrically Balanced Power provides an invisible noise floor, while completely breaking ground loops without dismantling equipment or rewiring. This noise reduction is extraordinarily efficient and linear across a huge frequency range. The transformer has completely re-worked your incoming AC and the result is perfectly clean power devoid of the masking effects of AC noise.

SPECIFICATIONS *(Note - Preliminary Specifications, subject to change)*

MAXIMUM CURRENT:
10 AMPS

LINE CORD:
DETACHABLE CORD, 1mm² x 3, 2.5M LONG, SCHUKO PLUG
TO IEC C13

OPERATING VOLTAGE:
180 to 274 VAC, 50 Hz

OVER VOLTAGE SHUTDOWN:
275 VAC NOMINAL

SPIKE PROTECTION MODES:
LINE TO NEUTRAL, ZERO GROUND LEAKAGE

SPIKE CLAMPING VOLTAGE:
375 VAC PEAK @ 3,000 AMPS

RESPONSE TIME:
1 NANOSECOND

MAXIMUM SURGE CURRENT:
6,500 AMPS

NOISE ATTENUATION (TRANSVERSE MODE):
10 dB @ 10kHz, 40 dB @ 100 kHz, 50 dB @ 500kHz

NOISE ATTENUATION (COMMON MODE):
80 dB @ 20 kHz, 40 dB @ 20 kHz to 1MHz

POWER CONSUMPTION:
18 WATTS FOR DISPLAY AND CONTROL CIRCUITS

DIMENSIONS:
133mm H X 483mm W X 356mm D (5.25" H x 19" W x 14" D)

WEIGHT:
43kg. (95lbs.)

WARRANTY:
5 YEARS

RECEPTACLES:
FOURTEEN IEC C-13 (TWO FRONT PANEL, TWELVE REAR PANEL)

