

# POWER STATION SERIES



## *Unparalleled Power Purification and Protection*



**PST-2+6**

- Advanced surge suppression with zero ground contamination offers superior protection over a standard power strip.
- Cable satellite and Telco connectors deliver advanced protection to connected equipment
- Audible alarm indicates excessive power surge
- Compact design enables discrete placement



**PST-8 DIGITAL**

- Advanced Linear Filtering dramatically reduces AC line noise and contamination resulting in improved audio/video clarity
- Series Multi-Stage Protection Plus (SMP+) for the highest level of AC surge suppression
- Automatic extreme voltage shutdown guards your valuable equipment from dangerous wiring faults
- Zero ground contamination circuitry assures the delivery of pure AC power thus protecting critical audio/video components
- Cable satellite and Telco connectors deliver advanced protection to connected equipment
- Isolated outlet banks keep digital and analog components from interfering with each other



**PST-6**

- Advanced surge suppression with zero ground contamination offers superior protection over a standard power strip.
- Cable satellite and Telco connectors deliver advanced protection to connected equipment
- Compact design enables discrete placement



**PST-10 DIGITAL**

- Advanced Linear Filtering dramatically reduces AC line noise and contamination resulting in improved audio/video clarity
- Series Multi-Stage Protection Plus (SMP+) for the highest level of AC surge suppression
- Automatic extreme voltage shutdown guards your valuable equipment from dangerous wiring faults
- Zero ground contamination circuitry assures the delivery of pure AC power thus protecting critical audio/video components
- Cable satellite and Telco connectors deliver advanced protection to connected equipment
- Isolated outlet banks keep digital and analog components from interfering with each other
- Selectable delayed outlets for amplifier and active subwoofer power up



**PST-8**

- Advanced Linear Filtering dramatically reduces AC line noise and contamination resulting in improved audio/video clarity
- Series Multi-Stage Protection Plus (SMP+) for the highest level of AC surge suppression
- Automatic extreme voltage shutdown guards your valuable equipment from dangerous wiring faults
- Zero ground contamination circuitry assures the delivery of pure AC power thus protecting critical audio/video components
- Cable satellite and Telco connectors deliver advanced protection to connected equipment

## DESCRIPTION:

For over 32 years, Furman has pioneered the development of AC power products for the most demanding audio, video, and broadcast professionals. Furman's Series Multi-Stage Protection Plus (SMP+) delivers the purest AC power and the most comprehensive protection available – going far beyond what is found in traditional surge strips. With Furman's Power Station Series, everyone can reap the benefits of unrivaled power purification and unequalled surge protection.

Today's overworked, outdated power grid delivers poor quality AC power. When connecting sensitive equipment to regular power outlets, AC noise masks and distorts critical signal information which cripples performance. This is why it's more important than ever to purify or clean the AC powering your sensitive audio/video equipment.

The PST-8, PST-8D, and PST-10D all feature Furman's SMP+ circuit which incorporates Linear Filtering Technology (LiFT) to insure that any electronic device (including televisions, projectors, CD-DVD players, or computers) is fed clean, filtered AC power. This dramatically reduces noise, ensuring consistent peak performance from your equipment.

Typical AC filters feature antiquated non-linear circuits. Though these multiple stage filters or power cleaners reduce some noise, they do so unevenly. In fact, they can add noise to your power line due to their filter's excessive resonant peaking. With Furman's proprietary

Linear Filtering Technology (LiFT), AC noise is suppressed evenly, assuring maximum performance from your system.

Additionally, today's power grid commonly experiences numerous electrical surges and spikes on a daily basis. At best, these irregularities can degrade your equipment's performance, and, at worst, can severely damage your entire system. Furman's SMP+ circuit offers the highest degree of protection available without sacrificing itself or any of its components.

Conventional AC conditioners employing older technologies leak voltage to circuit ground which can, in fact, aid in damaging sensitive digital circuits such as computer processors. Furman's new technology, however, never directs voltage to the circuit ground further ensuring the safety of your equipment.

Another feature that is unique to Furman's SMP+ circuit is automatic extreme-voltage shutdown. Extreme voltages are statistically the most common, damaging AC event. The extreme-voltage shutdown circuit automatically turns off the unit when it is fed 137 volts or higher, protecting itself and connected equipment from the extreme voltage. Only Furman offers this degree of protection! Add telco and cable/satellite transient voltage suppression, and you have what is, unquestionably, the most comprehensive protection available in a portable AC power conditioner.

## Superior Power, Protection and Performance



## POWER STATION SPECIFICATIONS:

### Power Consumption:

6 Watts for display and control circuits independent of actual load.

### AC Noise Attenuation:

PST-2+6, PST-6 Transverse (Differential) Mode:  
>40 dB from 150Khz. - 100 MHz.

PST-8, PST-8 Digital, PST-10 Digital Transverse (Differential) Mode:  
>40 dB from 10Khz. - 100 kHz. >80 dB from 100 kHz - 1GHz.  
(Linear attenuation curve from 0.05 - 100 ohms line impedance)

### Dimensions:

PST-2+6:	1.75" H x 11.75" W x 5" D
PST-6:	2.75" H x 3.375" W x 13.5" D
PST-8:	2.75" H x 3.375" W x 17.75" D
PST-8D:	2.75" H x 3.375" W x 18.5" D
PST-10D:	2.75" H x 3.375" W x 23" D

### Transient Voltage Surge Suppression:

PST-2+6, PST-6:  
120 VAC - fused MOV shunt protection L-N.  
(audible fail alarm for PST-2+6) (330V peak clamping @ 3000V 500A input)  
Telco  
Cable / Satellite (less than .1dB insertion loss)

PST-8, PST-8 Digital, PST-10 Digital:  
120 VAC - Series Multi-Stage Protection Plus - Non-Sacrificial with  
Zero Ground Contamination. (188V peak clamping @ 6000V 3000A input)  
Extreme Voltage Shutdown (>135 VAC)  
Telco  
Cable / Satellite (less than .1dB insertion loss) (2 pair for PST-8 Digital and PST-10 Digital)

### AC Current Capacity:

Input - 15 Amp capacity required  
Output - 15 Amps RMS (maximum, all outlets combined - continuous)

### Outlets:

PST-2+6:	8 (filtered outlets)
PST-6:	6 (filtered outlets)
PST-8:	8 (linearly filtered outlets)
PST-8D:	4 (digital-ultrasonic noise filtered outlets), 4 (linearly filtered outlets)
PST-10D:	4 (digital-ultrasonic noise filtered outlets), 3 (linearly filtered outlets) 3 (sequenced turn-on linearly filtered outlets)

### Safety Agency Listing:

C-UL

### Warranty:

The PST-2+6 and PST-6 : One year limited warranty.  
The PST-8, PST-8D and PST-10D : Three year with connected equipment. (see manual for details)

### Engineered in the U.S.A.