

Power Factor Pro



Model PF-Pro



Model PF-Pro R

Furman Sound introduces the all new Power Factor Pro, redefining power conditioning for the guitarist, bassist, or keyboard player.

PF-Pro Features

- Clear Tone Technology provides Power Factor correction with 45 amps peak current reservoir
- SMP+ (Series Multi-Stage Protection Plus) with Extreme Voltage Shutdown (EVS)
- LiFT (Linear Filtering Technology) with zero ground contamination
- Four rear panel outlets
- 12 amp rating, with circuit breaker
- Front panel meter to display incoming line voltage ranging from 90 to 128 volts

PF-Pro R Additional Features

- Compact single rack space design
- BNC connector on the rear panel allows you to attach any standard 12V gooseneck lamp to illuminate the rear of your rack
- 8 rear panel outlets

INTRODUCTION

Today's AC power is contaminated. Whether you play in a stadium, bar, or rehearsal space, they all have one thing in common, the AC power is supplied from your local utility. What's worse is that the "power factor" supplied from your building's AC outlet is typically poor, thanks to increasingly overtaxed power lines and raised line impedance.

In fact, the quality of AC power has been so poor for so long, most musicians have no idea how great their amplifiers could really sound. When the AC power factor is poor, amplifiers sound muddy because their power supplies can't deliver when pushed. The scream and cry from a guitar loses bite and harmonics, bass guitars lose their punch and weight, keyboards sound nasally, losing clarity, attack, and extension.

Not so with Furman's Power Factor Pro...

DESCRIPTION

The Power Factor Pro's **Clear Tone Technology** actually lowers the AC line impedance supplied by your wall outlet, while storing energy for peak current demands. In fact, there are over 45 amps of instantaneous current reserve in the Power Factor Pro. Additionally, **Linear Filtering Technology** dramatically lowers AC line noise to unprecedented levels in the critical audio frequency band. What does this mean? Just plug in your current starved amplifier, crank up the volume, and listen to the dynamics, harmonics, and clarity you've been missing!

Further, the Power Factor Pro is the most comprehensive power conditioner ever created for the serious musician. Furman's exclusive **Series Multi-Stage Protection Plus (SMP+)** guards your equipment from voltage spikes that can damage your amplifier or other connected equipment. It also incorporates automatic **Extreme Voltage Shutdown (EVS)** to ensure that you will never see your prized amplifier or other equipment go up in flames due to a sustained voltage overload. If the voltage goes over a certain level, the Power Factor unit will simply shut down your connected equipment, protecting them and itself.

Power Factor Pro technology is available in two models. The PF-Pro is a small convenient floor-standing model complete with 4 outlets and a detachable, locking AC cord. The PF-Pro R is rack-mounted with 8 rear outlets and one easy-to-reach outlet in front. Both units have a generous 12 amp R.M.S. capacity, and a convenient 20 segment AC voltmeter to monitor the incoming line voltage.



Rear of PF-Pro



Rear of PF-Pro R

SPECIFICATIONS

Current rating:

12 amps ("E" versions 7 amps)

Operating Voltage:

90 to 140 VAC ("E" versions 180 to 280 VAC)

Over Voltage Shutdown:

140 VAC typically ("E" versions 260 VAC typically)

Voltmeter Accuracy:

±2 VAC, calibrated with internal trimpot adjustments

Spike Protection Modes:

Line to neutral, zero ground leakage

Spike Clamping Voltage:

188 Vpk @ 3,000 amps (133 VAC RMS) (tested to UL-1449 6,000 Vpk @ 3,000 amps)

Response time:

1 nanosecond

Maximum surge current:

6,500 amps

Noise attenuation:

40 dB @ 10 kHz

40 dB @ 100 kHz

100 dB @ 10 MHz

Linear attenuation curve from 0.05 - 100 ohms line impedance

Transient Current Reservoir:

45 amps peak

Mechanical:

Dimensions:

PF-Pro: 5.25" H (with feet) x 8.125" W x 12.5" D.

PF-Pro R: 19" W x 11.63" D x 1.75" H

Weight:

PF-Pro: 11 lbs (5 kg). PF-Pro R: 9.7 lbs (4.39 kg)

Power Consumption:

6 watts (resistive)

420 watts (reactive)

Safety Agency Listings:

CE, ETL-C (pending)

THREE YEAR LIMITED WARRANTY

The Furman Power Factor Pro units are protected by a limited three-year warranty covering defects in materials and workmanship.

OPTIONS

Power Factor Pro E: "E" suffix versions are for use in countries with 220/240 volt AC lines. It features the internationally accepted IEC-320 connectors. The voltmeter on the Power Factor Pro E reads from 180 to 256 VAC, in 4 volt increments.