

FURMAN**P-6900 AR E****PRESTIGE SERIES**
VOLTAGE REGULATOR/POWER CONDITIONER*(Note - Preliminary design, subject to change)*

The 30 Amp P-6900 AR E delivers a stable 230 volts of AC power to protect equipment from problems caused by AC line voltage irregularities such as sags, brownouts, or overvoltages - all of which can cause sensitive electronic equipment to malfunction or sustain damage. The P-6900 AR E accepts any input voltage from 188V to 270V and transforms it to a constant output of 230V or 240V (switchable), $\pm 10V$. Voltages beyond that range may also be converted to usable levels, depending on the range variance.

Additionally, the P-6900 AR E is a full-featured power conditioner that filters and purifies AC power, reducing line noise and ensuring optimum performance. Not only will your equipment perform better with Furman's Linear Filtering Technology (LiFT), but it will also be fully protected by our exclusive Series Multi-Stage Protection (SMP), and Extreme Voltage Shutdown (EVS). This circuitry provides the highest level of power protection available.



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



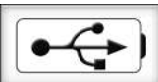
True RMS Voltage Regulation delivers a stable 230 volts of AC power to protect equipment from problems caused by AC line voltage irregularities



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



30 amp rating featuring a high inrush thermal circuit breaker for added protection



Eleven total outlets (9 rear panel outlets and two front panel convenience outlets)



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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 loss caused by low-level differential AC noise fed into digital systems.



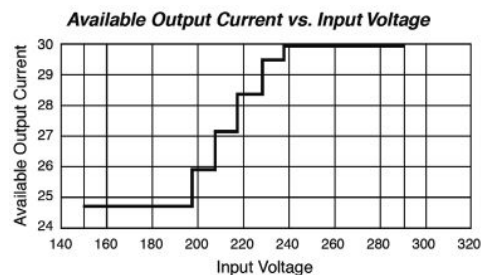
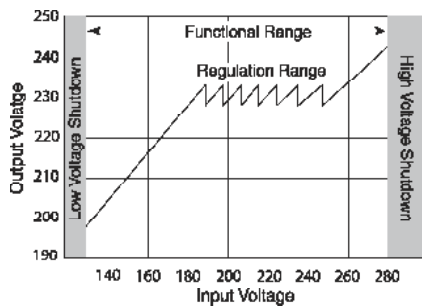
EVS (Extreme Voltage Shutdown)

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.



True RMS Voltage Regulation

Designed specifically for A/V equipment, True RMS Voltage Regulation provides stable output voltage by utilizing a microprocessor controlled, ultra-low noise toroidal autoformer. Unlike most commercial regulators, Furman's True RMS Voltage Regulation utilizes solid-state switching for virtually silent regulation without injecting noise onto the AC line.



SPECIFICATIONS (Note - Preliminary Specifications, subject to change)

MAXIMUM CURRENT:
30 AMPS

LINE CORD:
30A C-FORM CONNECTOR WITH FEMALE MATING CONNECTOR FOR TERMINATION OF CUSTOM LINE CORD

OPERATING VOLTAGE:
174 TO 264 VAC

OVER VOLTAGE SHUTDOWN:
275 VAC NOMINAL

APPROXIMATE INPUT VOLTAGE CAPTURE RANGE:
174 TO 264VAC

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:
10 DB @ 10KHZ, 40 DB @ 100 KHZ, 50 DB @ 500KHZ

DIMENSIONS:
482.6MM W X 597MM D X 133.35MM H (WITH LINE CORD CONNECTOR)

WEIGHT:
26 KG

POWER CONSUMPTION (NO LOAD):
5 WATTS

