



## Product Specifications

**Model: RP6000 (with options -SH, -VU, -FT, -BK)**

### Description:

Enterprise-level Power Filter, 208-220 VAC, 30 Amp

### Enclosure:

Steel construction, multiple rack-mounting options

### Electrical Features:

Input Connection	1 - NEMA L6-30P 10' whip
Output Connection	4 - NEMA 6-20R IG Individually Switched
Indicators	Power Meter (LED) Scrolling display shows Volts, Amps, PF, Watts

### Electrical Ratings:

Input Voltage - Range	208 - 220 VAC
Output Voltage	208 - 220 VAC (Stabilized)
Input Current (Amps)	30 A RMS
VA Rating	6600
Nominal Frequency	50 to 60 Hz
Power Factor	0.99
Max Cont. Operating Voltage	275 VAC
EMI/RFI Emissions	None (Faraday Cage Tested), Performs EMI/RFI Suppression

### Performance

Electrical Mode Protection:	Patented Full-Path bi-directional filtration
Harmonic Distortion Attenuation:	40% typical reduction of current THD
Power Factor Correction:	30% average improvement
EMI/RFI Filtration:	Each Path (Line, Neutral, Ground) bi-directionally filtered (Patented)
Noise Attenuation:	Over 100 dB reduction on Line and Neutral, over 60 dB on Ground; Effective Range of 100 Hz - 2 GHz
Electromagnetic Pulse Reduction:	Blocks harmful current from pulses entering Line, Neutral (or Line), and Ground
Surge Joule Rating:	DPPS's patented MagNorm technology manages all surge energy; the Joule rating is unlimited.
Suppression Strength:	< 1 Event VA <sub>t</sub> (Event VA <sub>t</sub> = VA of all peak-to-peak energy during surge event); for comparison most surge suppressors allow >30,000 Event VA <sub>t</sub> Normal Mode to pass to load.
Surge Waveforms Injected under Load:	IEC Combination Wave-Open-Circuit 1.2/50 and Combination Wave-Short-Circuit 8/20, 100kHz Ringwave per IEC 1000-4-12 ANSI C62.41
Actual Clamping Voltage during Surge (typical) and under load:	Line-Line Voltage <b>220V RMS +/- 10V</b> Line-Ground Voltage <b>110-120V RMS +/- 10V</b> Surge Line Current <b>less than 0.0001 Amps over RMS</b>
Noise and Surge Rejection-Isolation:	With Unit under power and an attached load under power (typical customer use), an ANSI C62.41 Cat. A pulse applied under all modes at the input, the voltage noise output will be less than 10 Volts for one microsecond, normal mode. The current noise is less than 18 amps for one microsecond, normal mode.
Surge Withstand Rating - MagNorm™ Performance	Severe Performance Test - 6000 Volts, 500 Amps Cat. A C62.41-1991 Ring-wave surge (at 90 degree point of input sinewave, positive charge, L1,L2/PE) injected every 45 seconds with powered loads in place for a total of over 1,260 injections in a 24 hour period - no degradation of device, loads or output performance. (see Noise and Surge Rejection-Isolation)

### Physical Dimensions:

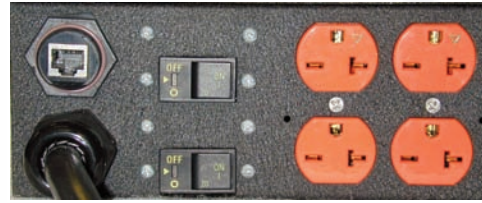
Product Weight	33 lbs.		
Dimensions	Height 3.5 inches (2U)	Width 8 inches (1/2 Rack)	Depth 24 inches

### Mounting Options:

(Specify at Ordering)  
Inside Rack 2U - 19" Rack Shelf adjustable from 24" to 40"  
Inside Rack Zero-U - Custom Brackets for rear vertical electrical "doghouse" mounting  
Free-standing - Rubber Feet

## ORDERING INFORMATION:

Base Unit: RP6004A  
 Add any options as a suffix to the Base Unit  
 Shelf -SH  
 VAVU -VU  
 Feet -FT  
 Zero-U Brackets -BK (Custom)



### Network Power Monitoring and Alerting: VAVU

Interface: RJ-45 Ethernet 10/100 MB  
Please visit <http://www.levelerllc.com> for product details.

### Environment:

Storage Temp.	Range 40° to 90° F
Operating Temp.	Range 40° to 104° F
Moisture (relative humidity)	0 to 90% non-condensing

### NRTL Safety Listing:

Testing Laboratories UL 60950-1 I.T.E.

### Operating Temperature (Surface):

	F °	C°
No Load	Ambient*	Ambient*
Half Load	Ambient *	Ambient*
Full Load	85°	29°

\*Ambient Temp ( 72°F/40°C