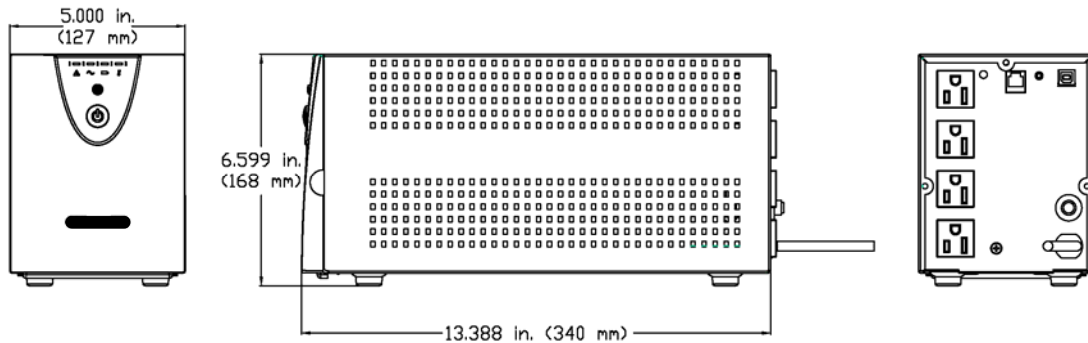




## EnvisionTEC Power Protection System Specifications

*North American - Models*



	<b>52021-60R</b>
<b>Type</b>	EPPS
<b>Power Rating VA/Watts</b>	250/200
<b>Inverter Waveform</b>	Low distortion sine wave
<b>Transfer time</b>	7 ms. Typical
<b>Frequency</b>	60 Hz.
<b>BTU/Hr.</b>	120
<b>T.H.D. Max. w/100% resistive load</b>	<4% on battery
<b>On Line Efficiency w/o Charger</b>	86%
<b>Input Voltage</b>	120
<b>Input Current</b>	2.4 amps
<b>Output Voltage</b>	120
<b>Output Current VA/Watts</b>	2.0/1.6 amps
<b>Input Voltage Range w/o Using Battery</b>	85 - 156 volts
<b>Output Regulation (mains)</b>	± 10%
<b>Output Regulation (on battery)</b>	± 5%
<b>Backup time (full load)</b>	>5 minutes
<b>Communications Interface</b>	RJ11, USB
<b>Shipping Weight (lbs.)</b>	23

**Front Panel Controls**

- Power On/Off
- Test
- Load Level LED Gauge
- Battery Charge LED Gauge
- Voltage Manager Nominal LED
- On Battery LED
- Fault LED

**Rear Panel Information and Controls**

- 6 foot power cord with NEMA 5-15P plug
- Four (4) NEMA 5-15R receptacles
- Communications Manager RJ11 port, USB port
- Site Wiring Fault LED
- Circuit Breaker

**Internal Batteries**

- User hot-swappable (see instruction manual)
- Type - 12 volt, 9AH
- Quantity - 1 battery
- Recharge time - 6 to 10 hours to 90%, 24 hours to full charge

**Environmental**

- Temperature - 0 - +40° C (32 - 104°F) Operating  
-20 - +60° C (-40 - +140° F) Shipment, Storage
- Humidity - 5 - 90% non-condensing (Operating, Shipment, Storage)
- Altitude - 2,000m (6,500 ft) max. operating; 15,000m (49,000 ft) max shipment and storage.

**Safety Agency and EMC Compliance:** All units are listed by UL, and marked with the UL/cUL marking.

**Standard UPM:**

**Products Listed To:**

- UL1778 4th edition
- CSA 22.2 Nos. 107-1

**Products in compliance with:**

- FCC-Part 15, Subpart B, Sections 15.107b & 15.109b. Class A Digital Device\*
- CISPR22:2003-3 4th edition, Class A
- IEC61000-4-2, Electrostatic Discharge
- IEC61000-4-3, Radiated Electromagnetic Field Immunity
- IEC61000-4-4, Electrical Fast Transient/Burst Immunity
- IEC61000-4-5, Surge Immunity
- IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
- IEC61000-4-8, Power Frequency Magnetic Field Immunity
- IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations

**RoHS Compliance:**

All products are RoHS compliant

**NOISE REJECTION-ISOLATION:** With unit under power and an ANSI/IEEE C62.41Cat. A pulse applied either normal or common mode at the input, the noise output voltage will be less than 10V normal mode and less than 0.5V common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM).

**SURGE VOLTAGE WITHSTAND CAPABILITY:** Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 usec risetime, 100 kHz decay, Cat. B - 6000V @ 500 amps, 0.5 usec risetime, 100 kHz decay.

**Warranty/Support:** POWERVAR warrants the electronics and transformers used in its uninterruptible power managers to be free from defects in materials and workmanship for a period of five years from the date of shipment. Batteries are warranted for a period of two years from the date of shipment. For North American service or support on any POWERVAR product, please contact POWERVAR Technical Support at (800) 369-7179 (in Illinois call (847-596-7000)). For service and support in EMEA, contact POWERVAR, Ltd. in the United Kingdom at +44 (0) 1793 553980. Or visit the POWERVAR website at [www.powervar.com](http://www.powervar.com).

**Battery Life Disclaimer:** Powervar's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycles potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, Powervar's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. Powervar UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.