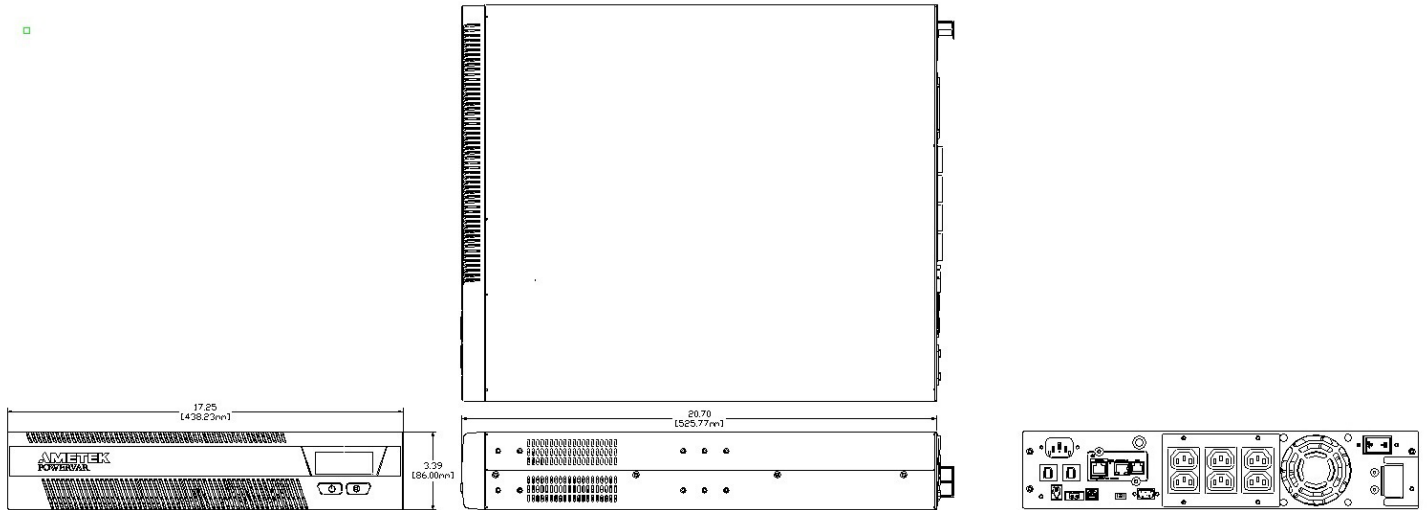


## Security II Rackmount UPM Specifications

*International 1000 VA Models - Standard*



<b>MODEL NUMBER</b>	<b>ABCE1002-22R</b>
<b>PART NUMBER</b>	<b>59100-08R</b>
<b>Type</b>	Standard
<b>Power Rating (VA/Watts)</b>	1000 / 900
<b>Inverter Waveform</b>	Low Distortion Sine Wave
<b>Transfer Time</b>	4 ms. Typical
<b>Frequency</b>	50 / 60 Hz.
<b>BTU/Hr.</b>	304
<b>T.H.D. w/100% Resistive Load</b>	<4% On Battery
<b>Online Efficiency (w/o Charger)</b>	91%
<b>Input Voltage</b>	230
<b>Input Current</b>	6.25 Amps
<b>Output Voltage</b>	230
<b>Output Current (VA/Watts)</b>	4.35 / 3.90 Amps
<b>Input Voltage Range (w/o Using Battery)</b>	185 to 276 Volts
<b>Output Regulation (On Mains)</b>	± 10%
<b>Output Regulation (On Battery)</b>	± 5%
<b>Backup Time at Full Load (0.7 P.F.)</b>	10 Minutes
<b>Floor Mountable</b>	Yes (Optional)
<b>Communications Interface</b>	DB9, USB (SNMP Optional)
<b>Shipping Weight (lbs/kg)</b>	65 lbs / 29 kg
<b>Dimensions (in/mm) L x W x H</b>	20.7 x 17.25 x 3.39 / 525.77 x 438.23 x 86
<b>Output Receptacles</b>	(6) IEC320-C13

## Security II Rackmount UPM Specifications

### International 1000 VA Models - Standard

<p><b>Front Panel Controls</b></p> <ul style="list-style-type: none"> <li>• Power On/Off</li> <li>• Test</li> <li>• Load Level LED Gauge</li> <li>• Battery Charge LED Gauge</li> <li>• Voltage Manager Boost LED</li> <li>• Voltage Output On LED</li> <li>• Voltage Manager Buck LED</li> <li>• On Battery LED</li> <li>• Replace Battery LED</li> <li>• Overload LED</li> <li>• Fault Code LED</li> <li>• System Over Temperature LED</li> </ul> <p><b>Rear Panel Information and Controls</b></p> <ul style="list-style-type: none"> <li>• 6 Foot Power Cord with IEC320-C14 Plug</li> <li>• Integrated Switched Power Distribution Unit (Requires SNMP / Web Card)</li> <li>• Configuration Manager DIP Switches</li> <li>• Communications Manager DB9 Port, USB Port</li> <li>• Circuit Breaker (AC and DC)</li> <li>• AC Inlet Module</li> <li>• Communication Option Slot: SNMP / Web Card, Isolated Relay Contacts Card, or Remote Off Card</li> <li>• DC External Battery Cabinet Connector</li> <li>• Fan (Forced Cooling)</li> </ul> <p><b>Internal Batteries</b></p> <ul style="list-style-type: none"> <li>• User Hot-Swappable (See Instruction Manual)</li> <li>• Type: 12 Volt, High Rate 23W</li> <li>• Quantity: 4 Batteries</li> <li>• Recharge Time: 6 Hours to 80%, 24 Hours to Full Charge (For Internal Batteries Only)</li> </ul>	<p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>• Temperature: 0 - +40°C(32 to 104°F) Operating -20 to 60°C(-40 to 140°F) Shipment/Storage</li> <li>• Humidity: 5 to 90% Non-Condensing (Operating, Shipment/Storage)</li> <li>• Altitude: 3,000m (10,000 ft) max. Operating; 12,000m (40,000 ft) max. Shipment/Storage</li> </ul> <p><b>Safety Agency and EMC Compliance:</b> All Units are Listed by UL and Marked With the UL/cUL Marking</p> <p><b>Standard UPM:</b> <b>Products Listed to:</b></p> <ul style="list-style-type: none"> <li>• UL, IEC62042, CE Mark with CB Report</li> </ul> <p><b>Products in Compliance with:</b></p> <ul style="list-style-type: none"> <li>• FCC-Part 15, Subpart B, Sections 15.107b &amp; 15.109b</li> <li>• Class A Digital Device*</li> <li>• CISPR11:2009, A1; 2010, Class A*</li> <li>• IEC61000-4-2, Electrostatic Discharge</li> <li>• IEC61000-4-3, Radiated Electromagnetic Field Immunity</li> <li>• IEC61000-4-4, Electrical Fast Transient/Burst Immunity</li> <li>• IEC61000-4-5, Surge Immunity</li> <li>• IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances</li> <li>• IEC61000-4-8, Power Frequency Magnetic Field Immunity</li> <li>• IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations</li> </ul> <p><b>*Note: Class B is Available as an Option</b> <b>Please Consult Your Powervar Sales Representative</b></p> <p><b>RoHS Compliance:</b> All Products (Standard and Medical) are RoHS Compliant</p>
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1000 VA MODELS TYPICAL RUN-TIMES (MINS)										
	10% (90W)	20% (180W)	30% (270W)	40% (360W)	50% (450W)	60% (540W)	70% (630W)	80% (720W)	90% (810W)	100% (900W)
Internal Batteries Only	105	52	30	20	15	12	10	8	6	5
Internal + 1) E4804-12	585	292	180	120	90	72	66	53	41	35
Internal + 2) E4804-12	1065	532	330	220	165	132	122	98	76	65
Internal + 3) E4804-12	1545	772	480	320	240	192	178	143	111	95
Internal + 4) E4804-12	2025	1012	630	420	315	252	234	188	146	125
Internal + 5) E4804-12	2505	1252	780	520	390	312	290	233	181	155
Internal + 6) E4804-12	2985	1492	930	620	465	372	346	278	216	185
Internal + 7) E4804-12	3465	1732	1080	720	540	432	402	323	251	215
Internal + 8) E4804-12	3945	1972	1230	820	615	492	458	368	286	245

**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, Cat. B - 6000V @ 500 amps..

**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 service or support on any Powervar product, please contact Powervar Technical Support at (800) 369-7179 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.