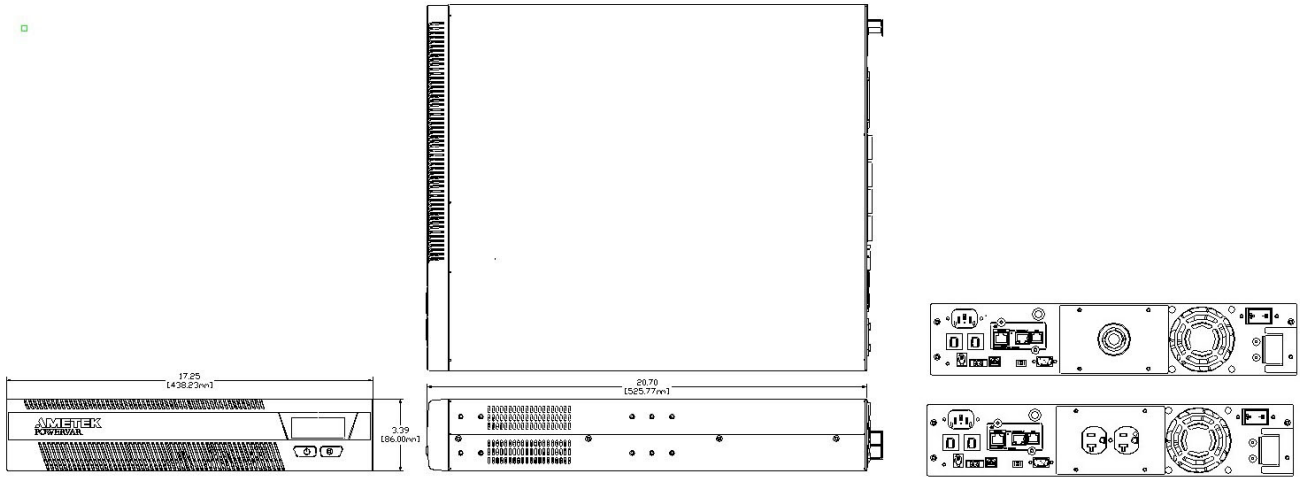


## Security II Rackmount UPM Specifications

### North American 1440 VA Models - Medical



MODEL NUMBER PART NUMBER	ABCE1442-11RMED 58144-21R	ABCE1442-11RMED 58144-28R
Type	Medical Grade	Medical Grade
Power Rating (VA/Watts)	1440 / 1296	1440 / 1296
Inverter Waveform	Low Distortion Sine Wave	Low Distortion Sine Wave
Transfer Time	4 ms. Typical	4 ms. Typical
Frequency	50 / 60 Hz.	50 / 60 Hz.
BTU/Hr.	385	385
T.H.D. w/100% Resistive Load	<4% On Battery	<4% On Battery
Online Efficiency (w/o Charger)	92%	92%
Input Voltage	120	120
Input Current	12.0 Amps	12.0 Amps
Input Voltage Range (w/o Using Battery)	96 to 144 Volts	96 to 144 Volts
Output Voltage	120	120
Output Current (VA/Watts)	12.0 / 10.8 Amps	12.0 / 10.8 Amps
Output Regulation (On Mains)	± 10%	± 10%
Output Regulation (On Battery)	± 5%	± 5%
Backup Time at Full Load (0.7 P.F.)	5 Minutes	5 Minutes
Floor Mountable	Yes (Optional)	Yes (Optional)
Communications Interface	DB9, USB (SNMP Optional)	DB9, USB (SNMP Optional)
Shipping Weight (lbs/kg)	77 lbs / 35 kg	77 lbs / 35 kg
Dimensions (in/mm) L x W x H	20.7 x 17.25 x 3.39 / 525.77 x 438.23 x 86	20.7 x 17.25 x 3.39 / 525.77 x 438.23 x 86
input plug	6 Ft Power Cord with NEMA 5-20P Hospital Grade Plug	6 Ft Power Cord with NEMA 5-20P Hospital Grade Plug
Output Receptacles	L5-30R	(2) NEMA - 5-20R (HG)
PDU Compatible	Yes	No

## Security II Rackmount UPM Specifications

### North American 1440 VA Models - Medical

<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>• 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>Medical UPM:</b></p> <ul style="list-style-type: none"> <li>• UL60601-1 2nd and 3rd Edition, CE Mark with CB Report</li> <li>• CSA 22.2 No. 601.1-M89</li> <li>• CSA 22.2 No. 107-1-M91</li> <li>• CSA 22.2 Nos. 0-M1982</li> <li>• CSA 22.2 Nos. 0.4-M1982</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 Class A Digital Device*</li> <li>• CISPR11:2009, A1; 2010, Class A*</li> <li>• EN60601-1-2 : 2007</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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1440 VA MODELS TYPICAL RUN-TIMES (MINS)										
	10% (130W)	20% (259W)	30% (389W)	40% (518W)	50% (648W)	60% (778W)	70% (907W)	80% (1036W)	90% (1166W)	100% (1296W)
Internal Batteries Only	90	38	20	12	9	6	5	4	2.8	2.5
Internal + 1) E4804-12	480	183	110	72	59	51	35	30	25.8	24.5
Internal + 2) E4804-12	870	328	200	132	109	96	65	56	48.8	46.5
Internal + 3) E4804-12	1260	473	290	192	159	141	95	82	71.8	68.5
Internal + 4) E4804-12	1650	618	380	252	209	186	125	108	94.8	90.5
Internal + 5) E4804-12	2040	763	470	312	259	231	155	134	117.8	112.5
Internal + 6) E4804-12	2430	908	560	372	309	276	185	160	140.8	134.5
Internal + 7) E4804-12	2820	1053	650	432	359	321	215	186	163.8	156.5
Internal + 8) E4804-12	3210	1198	740	492	409	366	245	212	186.8	178.5

**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 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.