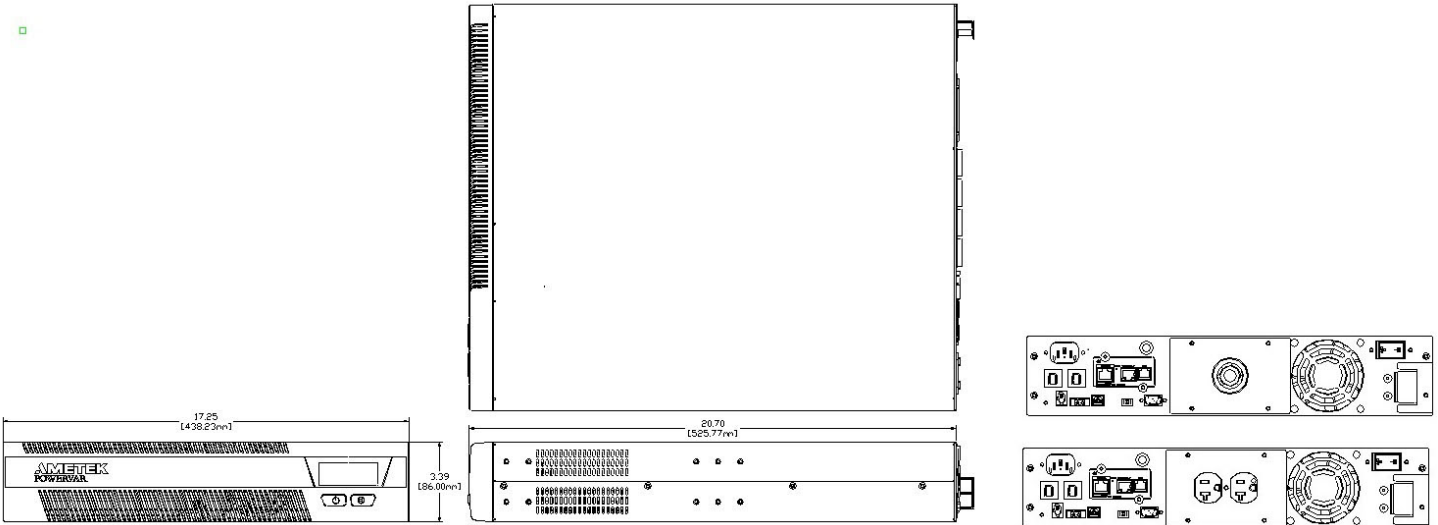


## Security II Rackmount UPM Specifications

### North American 700 VA Models - Medical



MODEL NUMBER PART NUMBER	ABCE702-11RMED 58070-28R	ABCE702-11RMED 58070-21R
Type	Medical Grade	Medical Grade
Power Rating (VA/Watts)	700 / 630	700 / 630
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.	212.5	212.5
T.H.D. w/100% Resistive Load	<4% On Battery	<4% On Battery
Online Efficiency (w/o Charger)	91%	91%
Input Voltage	120	120
Input Current	8.70 Amps	8.70 Amps
Input Voltage Range (w/o Using Battery)	96 to 144 Volts	96 to 144 Volts
Output Voltage	120	120
Output Current (VA/Watts)	5.85 / 5.25 Amps	5.85 / 5.25 Amps
Output Regulation (On Mains)	± 10%	± 10%
Output Regulation (On Battery)	± 5%	± 5%
Backup Time at Full Load (0.7 P.F.)	15 minutes	15 minutes
Floor Mountable	Yes (Optional)	Yes (Optional)
Communications Interface	DB9, USB (SNMP Optional)	DB9, USB (SNMP Optional)
Shipping Weight (lbs/kg)	60 lbs / 27 kg	60 lbs / 27 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
Output Receptacles	2 NEMA - 5-20R (HG)	L5-30R
PDU Compatible	No	Yes

## Security II Rackmount UPM Specifications

### North American 700 VA Models - Medical

#### Front Panel Controls

- Power On/Off
- Test
- Load Level LED Gauge
- Battery Charge LED Gauge
- Voltage Manager Boost LED
- Voltage Output On LED
- Voltage Manager Buck LED
- On Battery LED
- Replace Battery LED
- Overload LED
- Fault Code LED
- System Over Temperature LED

#### Rear Panel Information and Controls

- 6 Foot Power Cord with NEMA 5-15P Hospital Grade Plug
- Integrated Switched Power Distribution Unit (Requires SNMP / Web Card)
- Configuration Manager DIP Switches
- Communications Manager DB9 Port, USB Port
- Circuit Breaker (AC and DC)
- AC Inlet Module
- Communication Option Slot: SNMP / Web Card, Isolated Relay Contacts Card, or Remote Off Card
- DC External Battery Cabinet Connector
- Fan (Forced Cooling)

#### Internal Batteries

- User Hot-Swappable (See Instruction Manual)
- Type: 12 Volt, High Rate 23W
- Quantity: 4 Batteries
- Recharge Time: 6 Hours to 80%, 24 Hours to Full Charge (For Internal Batteries Only)

#### Environmental

- Temperature: 0 - +40°C(32 to 104°F) Operating  
-20 to 60°C(-40 to 140°F) Shipment/Storage
- Humidity: 5 to 90% Non-Condensing (Operating, Shipment/Storage)
- Altitude: 3,000m (10,000 ft) max. Operating;  
12,000m (40,000 ft) max. Shipment/Storage

#### Safety Agency and EMC Compliance:

All Units are Listed by UL and Marked With the UL/cUL Marking

#### Medical UPM:

- UL60601-1 2nd and 3rd Edition, CE Mark with CB Report
- CSA 22.2 No. 601.1-M89
- CSA 22.2 No. 107-1-M91
- CSA 22.2 Nos. 0-M1982
- CSA 22.2 Nos. 0.4-M1982

#### Products in Compliance with:

- FCC-Part 15, Subpart B, Sections 15.107b & 15.109b Class A Digital Device\*
- CISPR11:2009, A1; 2010, Class A\*
- EN60601-1-2 : 2007

*\*Note: Class B is Available as an Option*

*Please Consult Your Powervar Sales Representative*

#### RoHS Compliance:

All Products (Standard and Medical) are RoHS Compliant

**700 VA MODELS TYPICAL RUN-TIMES (MINS)**

	10% (63W)	20% (126W)	30% (189W)	40% (252W)	50% (315W)	60% (378W)	70% (441W)	80% (504W)	90% (567W)	100% (630W)
Internal Batteries Only	130	90	52	38	23	20	15	12	10	9
Internal + 1) E4804-12	1030	480	292	188	143	110	85	77	66	64
Internal + 2) E4804-12	1930	870	532	338	263	200	155	142	122	119
Internal + 3) E4804-12	2830	1260	772	488	383	290	225	207	178	174
Internal + 4) E4804-12	3730	1650	1012	638	503	380	295	272	234	229
Internal + 5) E4804-12	4630	2040	1252	788	623	470	365	337	290	284
Internal + 6) E4804-12	5530	2430	1492	938	743	560	435	402	346	339
Internal + 7) E4804-12	6430	2820	1732	1088	863	650	505	467	402	394
Internal + 8) E4804-12	7330	3210	1972	1238	983	740	575	532	458	449

**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.