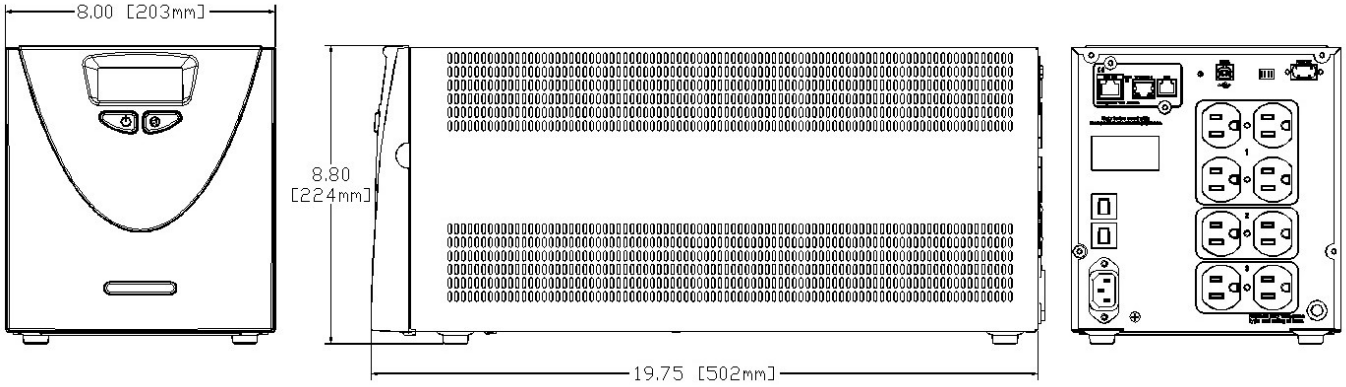
# Security II UPM Specifications

*North American Models ABCE1102-11MED*




| | ABCE1102-11MED<br>50110-110R |
|---|---|
| **Type** | Medical Grade |
| **Power Rating (VA/Watts)** | 1100 / 990 |
| **Inverter Waveform** | Low Distortion Sine Wave |
| **Transfer Time** | 4 ms. Typical |
| **Frequency** | 60 Hz. |
| **BTU/Hr.** | 359 |
| **T.H.D. w/100% Resistive Load** | <4% on Battery |
| **Online Efficiency (w/o Charger)** | 90% |
| **Input Voltage** | 120 |
| **Input Current** | 12.00 Amps |
| **Output Voltage** | 120 |
| **Output Current (VA/Watts)** | 9.20 / 8.25 Amps |
| **Input Voltage Range (w/o Using Battery)** | 96 to 144 Volts |
| **Output Regulation (On Mains)** | ± 10% |
| **Output Regulation (On battery)** | ± 5% |
| **Backup Time at Full Load (0.7 P.F.)** | > 5 Minutes |
| **Floor Mountable** | Yes (Optional) |
| **Communications Interface** | DB9, USB (SNMP Optional) |
| **Shipping Weight (lbs.)** | 71 |

## 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 Plug
- Eight (8) NEMA 5-15R Receptacles
- Configuration Manager DIP Switches
- Communications Manager DB9 Port, USB Port
- Circuit Breaker
- AC Inlet Module
- SNMP Slot (Contact Factory)

## Internal Batteries

- User Hot-Swappable (See Instruction Manual)
- Type: 12 Volt, High Rate 34W
- Quantity: 4 Batteries
- Recharge Time: 8 Hours to 80%, 24 Hours to Full Charge

## Environmental

- Temperature: 0 to 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

## Standard UPM:

**Products Listed to:**

- UL1778 5th Edition
- CSA 22.2 Nos. 107.3-14

## Products in Compliance with:

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

## Medical UPM:

**Products Listed to:**

- UL60601-1 2nd and 3rd Edition
- UL1778 5th Edition
- 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 VitalSine Sales Representative***

## RoHS Compliance:

All products (Standard and Medical) 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-COM).

**SURGE VOLTAGE WITHSTAND CAPABILITY:** Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEEE587-1980). 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:VitalSine** 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 VitalSine product, please contact VitalSine Technical Support at (877) 500-6937 or visit the VitalSine website at www.vitalsine.ca.

**Battery Life Disclaimer:** VitalSine'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, VitalSine Inc.'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.VitalSine UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.