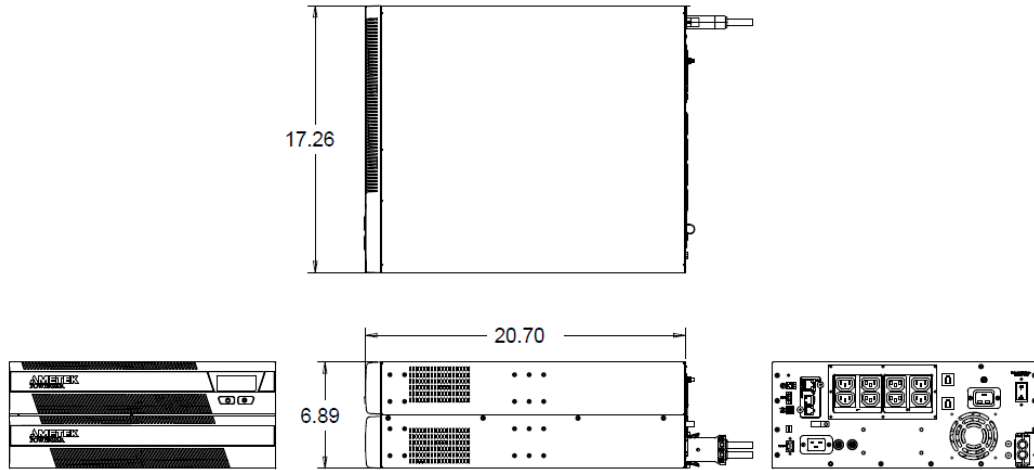


## Security II UPM Specifications

*International Models ABCE2202-22R*



	<b>ABCE2202-22R 59220-08R</b>
Type	Standard
Power Rating (VA/Watts)	2200 / 1980
Inverter Waveform	Low Distortion Sine Wave
Transfer Time	4 ms. Typical
Frequency	50 / 60 Hz.
BTU/Hr.	355
T.H.D. Max. w/100% Resistive Load	<4% On Battery
Online Efficiency (w/o Charger)	95%
Input Voltage	230
Input Current	16.0 Amps
Output Voltage	230
Output Current (VA/Watts)	9.55 / 8.60 Amps
Input Voltage Range (w/o Using Battery)	185 to 276 Volts
Output Regulation (On Mains)	± 10%
Output Regulation (On Battery)	± 5%
Backup Time at Full Load (0.7 P.F)	8 Minutes
Floor Mountable	Yes (Optional)
Communications Interface	DB9, USB (SNMP Optional)
Shipping Weight (lbs./kg)	142 lbs./66.4 kg
Dimensions (in/mm) L x W x H	20.7 x 17.26 x 6.89 / 525.77 x 438.23 x 175.00
Output Receptacle	(8) IEC320 C13 and (1) IEC320 C19 Receptacles
PDU Compatible	No

**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**

- 1.8 Meter Power Cord with C20 to C19 IEC300
- 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 23W
- Quantity: 8 Batteries
- Recharge Time: 8 Hours to 80%, 24 Hours to Full Charge

**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.

**Standard UPM:**

**Products Listed To:**

- UL IEC62040, CE Mark with CB Report

**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

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

**Please Consult Your Powervar Sales Representative**

**RoHS Compliance:**

All Products (Standard and Medical) are RoHS Compliant

**2200VA TYPICAL RUN-TIMES (MINS)**

	10% (198W)	20% (396W)	30% (594W)	40% (792W)	50% (990W)	60% (1188W)	70% (1386W)	80% (1584W)	90% (1782W)	100% (1980W)
Internal Batteries Only	95	45	30	19	14	10.5	8	6.5	5.5	4.5
Internal + 1) E4804-12	281	135	85	59	42	32.5	23	19	14.5	12
Internal + 2) E4804-12	467	225	140	99	70	54.5	38	31.5	23.5	19.5
Internal + 3) E4804-12	653	315	195	139	98	76.5	53	44	32.5	27
Internal + 4) E4804-12	839	405	250	179	126	98.5	68	56.5	41.5	34.5
Internal + 5) E4804-12	1025	495	305	219	154	120.5	83	69	50.5	42
Internal + 6) E4804-12	1211	585	360	259	182	142.5	98	81.5	59.5	49.5
Internal + 7) E4804-12	1397	675	415	299	210	164.5	113	94	68.5	57
Internal + 8) E4804-12	1583	765	470	339	238	186.5	128	106.5	77.5	64.5

**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-COM).

**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.