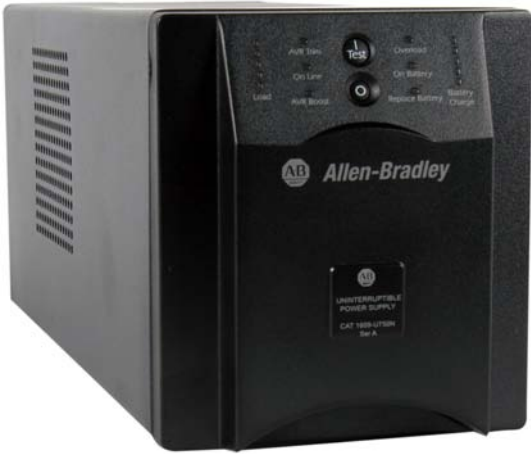




BULLETIN 1609-U

Uninterruptible Power Supplies





Bulletin 1609-U — Uninterruptible Power Supply

- Pure sine wave output
- Boost and trim automatic voltage regulation (AVR) provides consistent, clean power by correcting low and high voltage conditions without using the battery
- Intelligent battery management
- USB connectivity and SmartSlot interface
- Comprehensive network management
- Front-access servicing
- Includes:
 - CD with software
 - Smart UPS signalling
 - RS-232 cable
 - USB cable

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Standards Compliance

UL 1778
 BSMI
 CSA C22.2, No. 107
 FCC Part 15 Class A

Certifications

UL Listed (File No. E190749,
 Guide YEDU)
 CSA Certified (File LR1234)

Product Selection

Input Voltage	Operating Temperature	Output Power	Cat. No.
120V AC	0...40 °C	750VA (500 W)	1609-U750N
		1000VA (670 W)	1609-U1000N
		1440VA (980 W)	1609-U1500N

Accessories

Description	Cat. No.
Network management card	1609-NMC
Remote start cable	1609-RSC

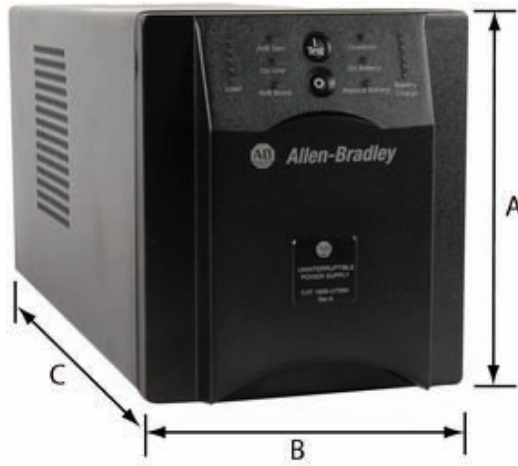
Specifications

Electrical Ratings		1609-U750N	1609-U1000N	1609-U1500N
Input	V nom.	120V		
	Voltage Range, default	82...144V		
	Voltage Range, widest, on line	75...154V		
	Capacity Frequency	50/60 Hz +/- 3 Hz (auto sensing)		
Output	V nom.	120V		
	Capacity	750VA (500 W)	1000VA (670 W)	1440VA (980 W)
	Frequency	47...53 Hz for 50 Hz, nominal 57...63 Hz for 60 Hz, nominal		
	THD	<5% at full load		
	Crest Factor	up to 5:1		
Protection	Output Connections	(6) NEMA 5-15R	(8) NEMA 5-15R	(8) NEMA 5-15R
	Surge Rating	540 J	459 J	459 J
	Filtering	Full time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL 1449		
Regulatory		UL 1778, CSA, BSMI, FCC Part 15 Class A, UL Listed, VCCI	UL 1778, CSA, BSMI, FCC Part 15 Class A	UL 1778, CSA, BSMI, FCC Part 15 Class A
Battery Pack	Typical Run Time, full load	4.6 minutes (500 W)	6.1 minutes (670 W)	6.7 minutes (980 W)
	Typical Run Time, half load	15.9 minutes (250 W)	20.6 minutes (335 W)	23.9 minutes (490 W)
	Type	Maintenance-free, sealed Lead Acid with suspended electrolyte, leakproof		
	Typical Recharge Time	3 hours		
Environment	Temperature	0...40 °C (32...104 °F), operating -15...45 °C (5...113 °F), storage		
	Altitude	0...3000 m (0...10 000 ft), operating		
	Humidity	0...95%, operating		
	Heat Output	90 BTU per hour	100 BTU per hour	135 BTU per hour
	Audible Noise	55 dB @ 1 meter	41 dB @ 1 meter	45 dB @ 1 meter
Communication	Interface Ports	DB9 RS-232, SmartSlot, USB		
	Control Panel	LED status display with load and battery bar graphs and On Line, On Battery, Replace Battery, and Overload indicators		
	EPO	optional		
	Audible Alarm	Alarm when: on battery, distinctive low battery, and configurable delays		

Uninterruptible Power Supply

Approximate Dimensions and Shipping Weights

Approximate dimensions are in millimeters (in.) unless otherwise indicated. Dimensions are not to be used for manufacturing purposes.



Output Power [VA (W)]	Height (A)	Width (B)	Depth (C)	Approx. Shipping Weight [kg (lb)]
750 (500)	157 (6.2)	137 (5.4)	358 (14.1)	14.55 (32)
1000 (670)	216 (8.5)	170 (6.7)	439 (17.3)	22 (48.4)
1440 (980)	216 (8.5)	170 (6.7)	439 (17.3)	27 (59.4)

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