

12-1032





VALVE REGULATED LEAD ACID BATTERY FOR BROADBAND STANDBY POWER APPLICATIONS



FEATURES & BENEFITS

- Flame-arresting one-way pressurerelief vent for safety and long life.
- Thermally welded case-to-cover bond Multicell design for ease of installation to ensure a leak-proof seal.
- Thick positive plate design for maximum service float life.
- Case and cover of high-impact polypropylene with reinforced endwalls to reduce bulging.
- Removable carrying handles.
- · Gas recombination efficiency of up to 99% for freedom from electrolyte maintenance.

- Designed to meet full published ratings at initial start-up installation
- and maintenance.
- UL-recognized component.
- · Gelled electrolyte for superior float service life and thermal management.

12 Volts - 106 Ampere Hour Capacity @ 20 Hour Rate

Ampere Hour Capacity to 1.75 Volts per Cell @ 77°F (25°C)

Discharge in Hours	.50	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	48.00	100.00
Amp-Hr Capacity	59	68	79	85	89	92	94	96	98	100	102	106	108	109	110

Additional ratings and application information are available in the Battery Selection Program found at www.cdstandbypower.net

BBG-210RT - Specifications

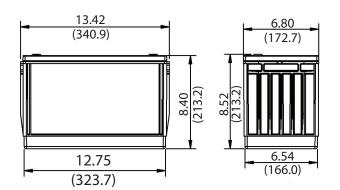
Cells	Voltage	Weight	Maximum Discharge	Short Circuit	Ohms Imped.		
Per Unit	Per Unit		Current	Current	60 Hz (Ω)		
6	12.84	73 lbs. (33.2 kg)	900 Amps	2600 Amps @ 0.1 sec	0.0050 Ohms		

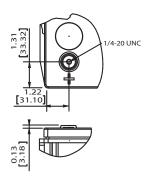
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All dimensions in inches and (millimeters). All dimensions are for reference only.

Contact a C&D Representative for complete dimensional information.

Capacity	106 Ah @ 20 hour rate to 1.75 volts per cell @ 77°F (25°C)						
Operating Temperature Range	Discharge ; -40°F (-40°C) to + 160°F (71°C), Charge ; -10°F (-23°C) to+ 140°F (60°C) with temperature compensation						
Recommended Operating Temperature Range	+ 74°F (23°C) to +80°F (27°C)						
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 77°F (25°C)						
Recommended Maximum Charging Current Limit	C ₂₀ /5 amperes (21.2 amperes)						
Maximum AC Ripple (Charger)	0.5 % RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum AC ripple voltage allowed = 1.4% RMS (4% P-P) Maximum AC ripple current allowed = 5.3 amperes RMS (C ₂₀ /20)						
Self Discharge	Broadband batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.						
Accessories	Inter unit connectors, and racks are available.						
Terminal	Threaded copper alloy insert terminal to accept 1/4-20 UNC Bolt						
Terminal Hardware Initial Torque	110 inlbs. (12.4 n-m).						

Constant Current Discharge Ratings - Amperes @ 77°F (25°C)

Operating Time to End Point Voltage (in hours)

Ena Point															
Volts/Cell	.50	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	48.00	100
1.75	118	68	39.5	28.3	22.2	18.4	13.9	13.7	12.2	10.0	8.5	5.3	4.5	2.3	1.1
1.80	108	65	38.5	27.4	24.6	19.9	13.8	12.4	12.0	9.8	8.3	5.2	4.4	2.2	1.09
1.85	92.0	58.0	36.0	23.1	20.8	17.3	14.8	13.0	11.5	9.5	8.1	5.1	4.3	2.1	1.05

Note: Batteries to be mounted with 0.5 in. (12.5 mm) spacing minimum and free air ventilation. Specifications subject to change without notification.

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Find Dains

1400 Union Meeting Road P.O. Box 3053 • Blue Bell, PA 19422-0858 (215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630 customersvc@cdtechno.com www.cdtechno.com Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the filness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.