

BROAD-BAND SERIES



BBA-160RT VALVE REGULATED LEAD ACID BATTERY FOR BROADBAND STANDBY POWER APPLICATIONS

FEATURES

- Flame-arresting one-way pressure-relief vent for safety and long life.
- Case and cover of high-impact polypropylene with reinforced endwalls to reduce bulging.
- Thermally welded case-to-cover bond to ensure a leak-proof seal.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination 99% plus.
- Thick positive plate design for maximum service float life.
- Removable carrying handles.
- Gas recombination efficiency of up to 99% for freedom from electrolyte maintenance.
- Multicell design for ease of installation and maintenance.
- UL-recognized component.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27.

12 Volts – 88 Ampere Hour Capacity @ 20 Hour Rate

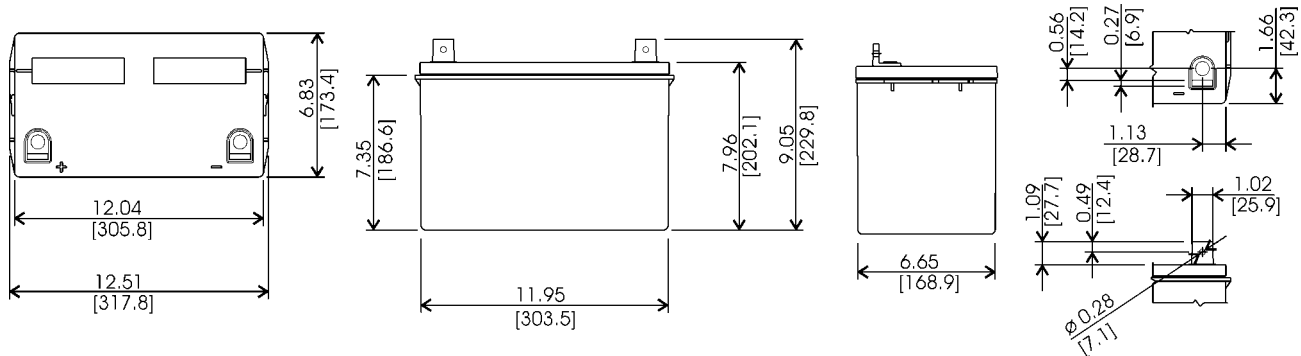
Ampere Hour Capacity to 1.75 Volts per Cell @ 77°F (25°C)

Discharge in Hours	.25	.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	72.00	100.0
Amp-Hr Capacity	35.9	45.2	54.3	62.0	67.6	71.0	74.0	76.0	77.5	79.0	81.4	83.6	88.0	88.4	89.8	90.9	92.0

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BBA-160RT



BBA-160RT – Specifications

Cells Per Unit	Voltage Per Unit	Max. Weight	Electrolyte	Maximum Discharge Current	Short Circuit Current	10 Sec. Volts @100 Amps	Ohms Imped. 60 Hz (Ω)
6	12.84	62 lbs. 28 kg	Absorbed H ₂ SO ₄ SG = 1.300	800 Amps	3300 Amps @ 0.1 sec.	11.6	0.0040 Ohms
Capacity		88 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)					
Nominal Operating Temperature Range		+74° F (23° C) to +80° F (27° C)					
Float Charging Voltage		13.5 to 13.8 VDC/unit Average @ 77° F (25° C)					
Recommended Maximum Charging Current Limit		C/5 amperes (17.6 amps @ 100% depth of discharge) @ 20 hour rate					
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 = 4.4 amperes RMS (C/20)					
Self Discharge		Dynasty 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, racks and cabinet systems are available.					
Terminal		"L" terminal with 0.28" clearance hole to accept 0.25" (6mm) bolt.					
Terminal Hardware Initial Torque		65 in.-lbs. (7.4 n-m).					
Terminal Hardware Annual Retorque		52 in.-lbs. (5.8 n-m).					

Constant Current Discharge Ratings – Amperes @ 77°F (25°C) to 1.75 Volts per Cell

Amperes	5	10	15	20	25	30	35	40	45	50
Run Time (Minutes)	1042	475	295	208	160	125	103	87	75	66

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

End Point Volts/Cell	Operating Time to End Point Voltage (in hours)																
	.25	.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	72.00	100
1.75	144	90.0	54.3	31.0	22.5	17.8	14.8	12.7	11.1	9.90	8.14	6.97	4.40	3.68	1.87	1.26	0.92
1.80	132	85.0	51.0	30.3	22.0	17.3	14.4	12.3	10.8	9.60	7.98	6.75	4.30	3.61	1.85	1.25	0.90
1.85	120	77.0	47.7	28.2	20.5	16.2	13.5	11.6	10.2	9.10	7.60	6.50	4.11	3.45	1.78	1.20	0.87
1.90	101	68.0	41.4	25.4	18.5	14.7	12.3	10.6	9.30	8.40	6.95	5.93	3.83	3.24	1.63	1.11	0.81

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.