



APPLICATIONS

- BROADBAND POLE/WALL
- CATV
- WIRELESS
- ALTERNATIVE ENERGY
- MOBILE SWITCHING SYSTEMS

The **CATV/ Broadband (CB)** Valve Regulated Lead Acid batteries are designed to provide the latest advancement in plate and battery technology offering high energy densities, exceptional service life, low self-discharge, high cycling capabilities and low float charge current characteristics.

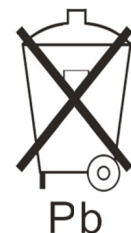
CB GEL technology VRLA batteries with optimized recombination technology and superior performance are specifically designed for Broadband and CATV applications where high temperatures are experienced and offer superior heat dissipation providing the highest level of reliability and service longevity.

CB AGM technology VRLA batteries provide higher discharge capacities and are well suited for moderate climates providing for the highest level of reliability and service longevity.

CB VRLA batteries are manufactured in compliance with IEC, ISO, and CE quality and performance standards.

FEATURES

- 10-Year Design Life
- Initial capacity at 100%
- Recombination efficiency of 99.9%
- Absorbent Glass Mat (AGM) technology (BCA)
- Advanced Nano-gel Technology (BCG)
- Flame Retardant ABS Cover and Container, UL94 V-0, LOI>28%
- 6 month of storage at 77°F (25°C) capacity > 86%
- Monoblock 12v construction
- Low-Calcium-Tin grid alloy
- Low pressure one-way flame arresting valve(s) UL924
- High reliability tongue-n-groove case to cover seal
- Proprietary 3 part post-to-cover seal ensuring operating service life integrity
- Copper alloy insert top terminals



INDUSTRY COMPLIANCE

- UL Recognized Component 924 & UL Certified Vertical Flame Test Rating 94V-0
- ISO9001:2000 ISO14001

TRANSPORTATION

- Classified as Nonspillable UN 2800 and meet the Nonspillable criteria listed in DOT-CFR Title 49, 171-189 (d) (3) (i) and (ii) and exempt from CFR 49, Subchapter C requirements
- Meets transportation conditions of IMDG exemption 238, IATA/ICAO Special Provision A67 (Not Restricted)



EDS-CB-S-010411

SPECIFICATIONS

Float Charging Voltage	Equalize /Cycle or Freshening Charging Voltage
2.25Vpc to 2.27Vpc @ 77°F (25°C)	2.35Vpc to 2.40Vpc @ 77°F (25°C)
See Operations and Maintenance Manual for specific guidelines and recharge times	

Charging Temperature Compensation	-2 mV/cell/°F > 77°F (-3.6 mV/cell /°C > 25°C)
	+2 mV/cell/°F < 77°F (+3.6 mV/cell/°C < 25°C)

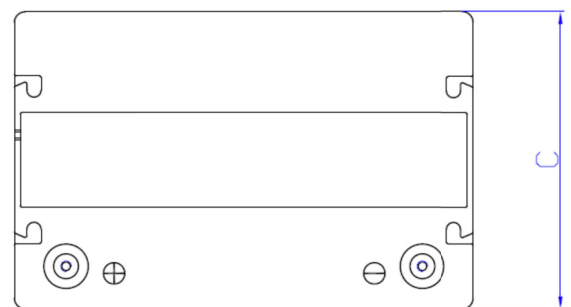
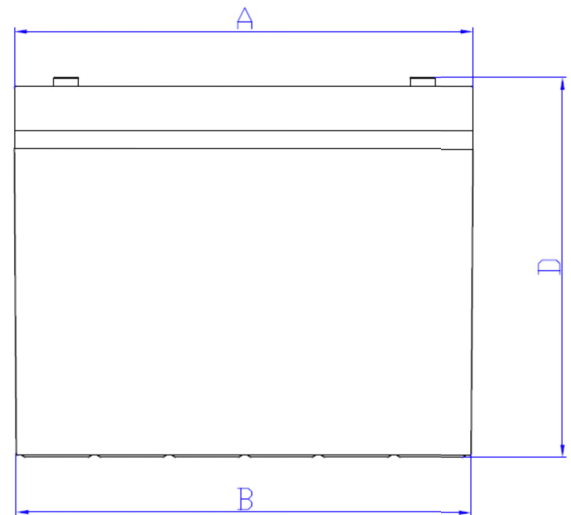
Maximum AC Ripple (Charger)	Maximum Charge Current
0.5% RMS, 1.5% peak-to-peak for float charge voltage for best results	C ₅ Rate Amps (5 hour rate @ 1.75vpc)

Electrolyte	Self-Discharge Rate
Absorbed 1.300 s.g. H ₂ SO ₄	<2% per month at 77°F (25°C)

Relief Valve	Self-Resealing; Operates at 2 to 3 psi and is complete with integral flame arrestor
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Terminal Type	Torque / Retorque
M6-F	90 in-lbs (10 Nm) / 78 in-lbs (8 Nm)

Operating Temperature Range	
Nominal	Discharge
+74°F (24°C) to 80°F (27°C)	-40°F (-40°C) to +140°F (60°C)
Charge	Storage Temperature Range
-20°F (-28°C) to +122°F (50°C)	-4°F (-20°C) to +104°F (40°C)



PHYSICAL PROPERTIES – DIMENSIONS

Model	V	Minutes @ 25Amps to 1.75vpc @ 77°F	Ah @ 20hrs to 1.75 VPC @ 77°F	Length (A)		Width (C)		Height (D)		Weight		Terminal Type
				in	mm	in	mm	in	mm	lbs.	kg	
CBA12-200	12	205	93	12.1	307	6.7	169	8.6	216	69.8	31.7	M6-F
CBA12-220	12	225	102	13.0	328	6.8	172	8.8	222	73.7	33.5	M6-F
CBG12-200	12	200	90	12.1	307	6.7	169	8.6	216	69.8	31.7	M6-F
CBG12-220	12	215	100	13.0	328	6.8	172	8.8	222	73.7	33.5	M6-F

Constant Current Discharge in Amps at 77°F (25°C)

Model	Type	5 min	10 min	15 min	30 min	45 min	60 min	90 min	2hr	4hr	8hr	20hr
CBA12-200	AGM	308	227	179	109	86	63.5	51.3	39	21.2	12	5.2
CBA12-220	AGM	370	272	215	131	104	76.2	61.5	46.8	25.4	14.4	6.2
CBG12-200	GEL	282	208	164	100	80	59.4	48.0	36.5	19.8	11.6	5
CBG12-220	GEL	338	249	197	120	96	71.2	57.5	43.8	23.8	14	6.1

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