

BROADBAND MAX

BB™ AGM & GEL

BROADBAND SOLUTIONS

C&D
TECHNOLOGIES.

BROADBAND MAX SERIES

C&D Technologies's Broadband MAX suite of products including VRLA AGM and Gel batteries has been specifically designed and manufactured to deliver long life – even in harsh environments. In addition, our batteries save costs by deferring replacements and reducing operation expenses making them the lowest total cost options available.



BENEFITS



EXTENDED SERVICE LIFE: Proprietary pure lead technology and gelled electrolyte combined with catalyst extends battery life.



SUPPORT SUSTAINABILITY: Broadband MAX batteries are 98% recyclable. Lower float current reduces energy demand across your network.



RELIABILITY: AGM and GEL options for reliability in any environment, including the harshest of conditions.



REDUCED OPERATIONAL EXPENSES: Exceptional battery life delays battery replacement which means fewer trucks rolls.

FEATURES

- ◆ MSE Pure Lead technology reduces water loss by up to 50%, improves grid life, and lowers float current, thereby extending battery life
- ◆ Gelled electrolyte for superior thermal management
- ◆ Addition of proprietary catalyst further extends service life in all applications
- ◆ Premium materials and components, including a strong polypropylene case, protect the battery's components and ensure year-after-year reliability in the most demanding environments
- ◆ Store up to 24 months at 77°F (25°C) for VRLA AGM and up to 18 months for VRLA GEL
- ◆ 12-volt monobloc using Valve Regulated Lead Acid (VRLA), Absorbed Glass Mat (AGM) components, and Gelled Electrolyte (GEL)

SPECIFICATIONS

RUNTIME @ 25 AMP CONSTANT CURRENT LOAD	GEL	BBG-180MAX - 180 Minutes BBG-195MAX - 195 Minutes BBG-220MAX - 220 Minutes
	PURE LEAD AGM	BBA-210MAX - 210 Minutes BBA-240MAX - 240 Minutes
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 at +77°F (+25°C)	
RECOMMENDED MAXIMUM CHARGING CURRENT LIMIT	C ₂₀ /5 Amperes (23.12 a)	
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 = 4.6 amperes RMS (C ₂₀ /20)	
SELF DISCHARGE	GEL	18 Months at +77°F (+25°C) and then a freshening charge is required
	PURE LEAD AGM	24 Months at +77°F (+25°C) and then a freshening charge is required
	NOTE: For higher temperatures the time interval will be shorter for BBA & BBG	
ACCESSORIES	Inter unit connectors and racks are available	
TERMINAL	1/4-20 UNC bolt	
TERMINAL HARDWARE TORQUE	110 In.-lbs. (12.4 N-m)	

MODEL NAME	VOLTAGE	RUNTIME MINUTES TO 25 AMPS @ 77°F (25°C TO 1.75 VPC)	CONSTANT CURRENT DISCHARGE RATINGS - AMPERES @ 77°F (25°C)														MAXIMUM DISCHARGE CURRENT	SHORT CIRCUIT CURRENT	DIMENSIONS INCHES (mm)			WEIGHT LBS. (kg)
			OPERATING TIME (Hr) TO 1.75 VOLTS PER CELL																LENGTH	WIDTH	HEIGHT	
			0.5	0.75	1	2	3	4	5	8	10	12	20	48	100							
BBA MAX																						
BBA-210MAX	12 VOLT	210	110.40	82.60	66.15	37.24	27.31	21.67	18.01	11.99	9.82	8.32	5.16	2.22	1.14	800 AMPS	3200 AMPS	13.42 (341)	6.80 (173)	8.48 (215)	74 (33.6)	
BBA-240MAX	12 VOLT	240	125.80	90.50	72.10	42.80	31.40	25.00	20.50	13.50	11.00	9.33	5.78	2.50	1.23	800 AMPS	4400 AMPS	13.42 (341)	6.80 (173)	8.48 (215)	75 (34)	

MODEL NAME	VOLTAGE	RUNTIME MINUTES TO 25 AMPS @ 77°F (25°C) TO 1.75 VPC)	CONSTANT CURRENT DISCHARGE RATINGS - AMPERES @ 77°F (25°C)													MAXIMUM DISCHARGE CURRENT	SHORT CIRCUIT CURRENT	DIMENSIONS INCHES (mm)			WEIGHT LBS. (kg)
			OPERATING TIME (Hr) TO 1.75 VOLTS PER CELL															LENGTH	WIDTH	HEIGHT	
			1	2	3	4	6	8	10	12	20	24	48	72	100						
BBG MAX																					
BBG-180MAX	12 VOLT	180	55.90	32.80	23.50	18.40	12.90	10.00	8.20	6.90	4.30	3.70	1.90	1.30	0.90	800 AMPS	2300 AMPS	12.50 (318)	6.83 (174)	8.05 (205)	63 (29)
BBG-195MAX	12 VOLT	195	65.10	37.40	26.80	21.00	14.80	11.50	9.50	8.00	5.00	4.30	2.20	1.50	1.10	800 AMPS	2500 AMPS	13.42 (341)	6.80 (173)	8.48 (215)	66 (30)
BBG-220MAX	12 VOLT	220	67.70	40.40	29.10	22.90	16.10	12.60	10.20	8.70	5.50	4.60	2.40	1.60	1.20	800 AMPS	2600 AMPS	13.42 (341)	6.80 (173)	8.48 (215)	73 (33)



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