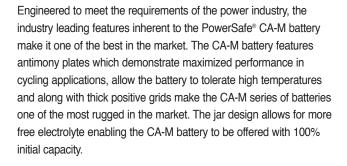




Switchgear, Telecommunications and Utility

Battery Range Summary



Designed for easier maintenance, all of the posts and connectors reside above the cell cover meaning maintenance routines including cell monitoring and measurements are simplified. The CA-M series of batteries also includes a Slide Lock™ post seal that allows for natural plate growth over time. The innovative tongue-and-groove jar-to-cover seal provides reliability with a robust airtight seal.

Combine the standard square plate design which enhances high rate performance and the multi-cell construction that reduces maintenance time, it is no surprise that the CA-M battery has long set the standard to which all other batteries are compared.

Features and Benefits

- Capacity range 50 200Ah
- Lead-antimony alloy
- Electrolyte reserve reduces watering requirements
- Standard Styrene Acrylonitrile (SAN) jar with flame retardant UL94 V-0 PVC cover; flame retardant jar available
- Lead-antimony grids maximize performance in cycling applications
- 20 year life expectancy in float service at 77°F (25°C) ambient temperature





Construction

- 0.28" thick positive plates provide excellent long discharge rates and long life
- Square plate configuration enhances high rate performance
- Separator microporous rubber with "Vitrex" glass fiber retainers
- Multi-cell construction, standard jar material styrene acrylonitrile (SAN) with flame retardant polycarbonate optional. Cover is flame retardant UL94 V-0 PVC
- Electrolyte dilute sulfuric acid with specific gravity of 1.215 (1.250 available upon request)
- · Individual posts to monitor individual cell performance
- Slide-Lock™ post seal design
- Flame arrestors included for increased operational safety

Installation and Operation

- Space efficient footprint
- Designed to be rack mounted
- Excellent long discharge and complex duty cycle capability
- 20 year life expectancy in float service at 77°F (25°C)
- All posts and connectors reside above the cell cover for easier maintenance, cell monitoring and measurements
- Lead-antimony alloy allows for longer life at higher temperatures
- Operating temperature: 32°F (0°C) to 104°F (40°C)
 Recommended temperature: 68°F (20°C) to 86°F (30°C)

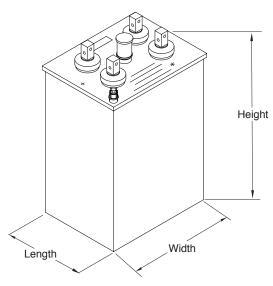
Standards

 The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

			Nominal Dimensions						Weight - Volumes					
Cell Type	Nominal Ah Capacity*	Le in	Length in mm		Width in mm		Height in mm		Unpacked lbs kg		lbs	Electrolyte only 1.215 S.G. Ibs kg gal liters		
3CA-3M	50	7.0	178	9.0	229	14.8	375		57.0	25.9	16.1	7.3	1.6	6.1
3CA-5M	100	7.0	178	9.0	229	14.8	375		50.8	23.1	9.9	4.5	1.0	3.7
3CA-7M	150	12.2	310	9.0	229	14.8	375		113.7	51.7	34.0	15.0	3.3	12.5
3CA-9M	200	12.2	310	9.0	229	14.8	375		131.8	59.9	33.0	15.0	3.2	12.1

^{*} Nominal Ah capacity is based on an 8 hour rate to 1.75 volts per cell @ 77°F (25°C) Note: 2 cell jars available to complete strings where needed.







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