



Features and Benefits

- Capacity range 50-200Ah
- Lead-calcium alloy
- Standard Styrene Acrylonitrile (SAN) jar with flame retardant UL94 V-0 PVC cover; flame retardant jar available
- Thick positive plates maximize performance in long discharge applications
- 20 year life expectancy in float service at 77°F (25°C) ambient temperature

Battery Range Summary

Engineered to meet the requirements of the power industry, the features inherent to the PowerSafe[®] CC-M battery make it one of the best in the market. The CC-M battery features calcium plates, which demonstrate maximized performance in long discharge applications and reduce watering requirements. The jar design allows for more free electrolyte enabling the CC-M battery to be offered with 100% initial capacity.

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 CC-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 CC-M battery has long set the standard to which all other batteries are compared.

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 glass fiber retainers
- 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 with easy access to posts
- Excellent long discharge and complex duty cycle capability
- Lead-calcium design reduces maintenance (less watering) over traditional lead-antimony batteries
- All posts and connectors reside above the cell cover for easier maintenance, cell monitoring and measurements
- Operating temperature: 32°F (0°C) to 104°F (40°C)
Recommended temperature: 68°F (20°C) to 86°F (30°C)

Standards

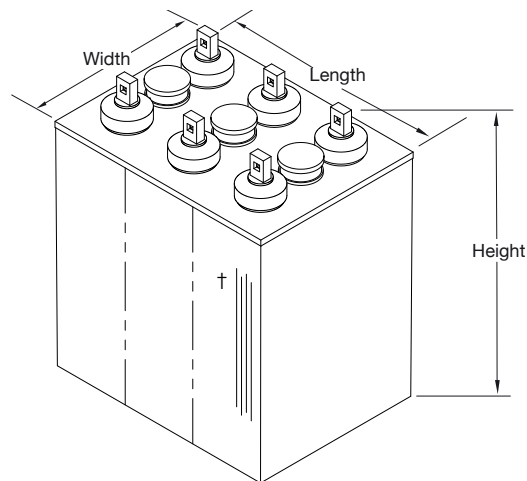
- The management systems governing the manufacture of this product are ISO 9001 and ISO 14001 certified
- Optional testing in accordance to IEEE 450 or customer duty cycle available

General Specifications

Battery Type*	Nominal Capacity (Ah) 8 hr rate to 1.75Vpc @ 25°C/77°F	Nominal Dimensions								Electrolyte (1.215 SG)			
		Length**		Width		Height		Weight		Volume (per jar)		Weight (per jar)	
		in	mm	in	mm	in	mm	lbs	kg	gal	L	lbs	kg
3CC-03M	50	7.0	178	9.0	229	14.8	375	57	26	1.6	6.1	16.3	7.4
3CC-05M	100	7.0	178	9.0	229	14.8	375	74	34	1.5	5.7	15.2	6.9
3CC-07M	150	12.2	310	9.0	229	14.8	375	114	52	3.3	12.5	33.5	15.2
3CC-09M	200	12.2	310	9.0	229	14.8	375	132	60	3.2	12.1	32.5	14.8

* Prefix number indicates cells per unit. Suffix number indicates total plates per cell.

**0.25" must be added between cells for spacing purposes when calculating total battery length.



*Plate direction