



Garrison™ Batteries

The choice for extended runtime in extreme applications



Overview

The Garrison™ batteries are designed to provide extended runtimes of up to 25 hours* in extreme temperature applications. They have been field tested and used for years in the traffic and ITS markets. Operational from -20°C to +50°C (-4°F to +122°F). This maintenance-free sealed lead acid battery features absorbent glass mat (AGM) technology for efficient gas recombination of up to 99%.

The Garrison series is offered in 80 and 100 Ampere-Hour (AH) ratings, each outputting 12 VDC. The batteries are available packaged in 48 VDC, 72 VDC, or 96 VDC strings. Includes models: CAGM-1280, CAGM-1280-4, CAGM-1280-6, CAGM-1280-8, CAGM-12100, CAGM-12100-4, CAGM-12100-6 and CAGM-12100-8.

Configurations

Model	Voltage (nominal)	AH Capacity (20 hr rate)	System Voltage	Estimated Runtime (hrs) at 25°C (77°F) Full Charge							Weight per Battery lb (kg)	Overall Dimensions		
				300 W	500 W	700 W	875 W	1000 W	1200 W	1400 W		Length in (mm)	Width in (mm)	Height in (mm)
CAGM-1280-4 (4 Batteries)	12 VDC	80 Ah	48 VDC	9	5.2	3.3	2.4				56.2 (25.5)	10.28 (261)	5.45 (168.5)	8.41 (213.5)
CAGM-1280-6 (6 Batteries)			72 VDC	14	7.5	5	3.9							
CAGM-1280-8 (8 Batteries)			96 VDC	20	12	8.3	6.8	6	4.2	3.9				
CAGM-12100-4 (4 Batteries)	12 VDC	100 Ah	48 VDC	11	6.6	4.1	3.1				66.6 (30.2)	12.15 (308.7)	6.65 (169)	8.41 (213.5)
CAGM-12100-6 (6 Batteries)			72 VDC	19.8	10	6.8	5.3							
CAGM-12100-8 (8 Batteries)			96 VDC	25	16	10	8	7	5.3	5				

* Actual runtimes will vary based on operational conditions such as temperature and load.