

# Sealed Lead Acid Batteries

## Description

Fire Alarm Systems require emergency standby batteries to perform a duty cycle over long periods of time (typically 24 or 60 hours) and still have enough power to sound an alarm for a set period of time (5, 15 minutes, etc.).

The Gamewell sealed lead-acid batteries are completely maintenance-free. No liquids are required. Fluid level checks, refilling, spills and leakage are eliminated. Sealed lead-acid batteries provide full rated power on demand without the memory characteristics of nickel-cadmium batteries. The Gamewell batteries have patented positive self-resealing vents that prevent pressure build up often caused by charger failure.

## Temperature Effects on Capacity

The Gamewell sealed lead-acid battery produces electrical energy through a chemical reaction. This reaction rate is dependent on the temperature. Increasing temperature increases the capacity of the battery but decreases service life. A battery life is 'halved' for each 18 degree F (10° C) increase in temperature above 77° F (25° C).

## Series or Parallel

Gamewell sealed lead-acid batteries may be connected in series to obtain higher voltages, or in parallel to obtain increased capacities.

## Shelf Life and Temperature

Gamewell Sealed Lead-Acid batteries discharge at a very low 2.3% per month. This charge retention characteristic permits extended storage periods while maintaining significant stored capacity.



## Approvals

UL Listed (Standby Components)

## Features

- No memory
- High discharge rate
- Compact
- Wide operating temperature range
- No permanent cell reversal
- Thick grids
- High impact plastic case
- Extended shelf life
- Series or Parallel connection
- Sealed battery
- Self-resealing vents
- No fluid levels
- Wide range of amperage ratings

## Engineer's Specifications

	Voltage	Capacity Ah @20hr.Rate	Terminal Type	Length	Width	Height	Height (T)	Weight (each)	Discharge Current@ 20Hr. Rate	Max Discharge Current Amps*	Max Charge Current Amps
B12V4	12	4.5	1	3.54	2.76	4.02	4.25	3.8	225	13.55	0.9
B12V7	12	7	1	5.96	2.56	3.7	3.86	5.7	350	21	1.4
B12V12	12	12	6	5.94	3.86	3.7	3.94	9	600	36	2.4
B12V17	12	17	1	7.13	2.99	6.57	6.57	13.1	900	54	3.6
B12V26	12	26	6	6.89	6.54	4.92	4.92	20.8	1300	78	5.2
B6V12	6	12	7	4.26	2.75	5.54	5.54	5.2	600	36	2.4

## Ordering Information

<u>Model Number</u>	<u>Description</u>
B12V4	12 Volt 4 Amp Hour battery
B12V7	12 Volt 7 Amp Hour battery
B12V12	12 Volt 12 Amp Hour battery
B12V17	12 Volt 17 Amp Hour battery
B12V26	12 Volt 26 Amp Hour battery
B6V12	6 Volt 12 Amp Hour battery
70970	Vented Steel Battery Cabinet with lockable hinged cover (12" x 12" x 24")

Specifications and wiring information are provided for information only and are believed to be accurate. Gamewell assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions shipped with the product shall always be used for actual installation. For more information, contact Gamewell.



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