

## SEALED LEAD ACID BATTERIES FOR EMERGENCY LIGHTS, BATTERY PACKS, UPS SYSTEMS



### OVERVIEW

Sealed lead acid batteries store energy using a reversible chemical reaction between lead plates and sulfuric acid (electrolyte).

Sealed lead acid batteries are the most popular type of battery throughout the entire world. They are utilized for a variety of applications including emergency lighting, which is our company's specialty and the most common place to find a lead acid battery installed.

They are also used to power UPS systems (uninterrupted power supply), golf carts/small recreational vehicles, and a variety of other applications.

### EXTERNAL SPECIFICATIONS

The sealed lead acid batteries that we offer come with an ABS thermoplastic housing that is durable and designed to last up to 10 years in the field.

Metal Faston (F) connection terminals are top-mounted and universally used throughout all industries for easy connection, maintenance, and testing.

### WARRANTY

Lead acid batteries have an average lifespan of 3-5 years and come with a 3-year pro-rata warranty.

### INTERNAL SPECIFICATIONS

Our 6, 12, and 24 volt lead acid batteries are made up of 2 volt cells. Each cell contains lead plates of different compositions sitting in acid.

The lead plates are linked to the positive terminal of the battery and react with the acid to form lead sulphate giving up electrons (leaving the plate positive).

The pure lead plates are linked to the negative terminal of the battery and react with sulphate ions to also form lead sulphate. The pure lead plates supply two positive charges and are so left negative.

The passage of electrons from lead oxide plates to the pure lead plates is the current of the electricity generated by the cell which can be used.

### RECHARGING LEAD ACID BATTERIES

When the battery is recharged, which takes 24-hours, the lead sulphate in each cell is broken down resulting in lead dioxide being redeposited on the positive electrode, and lead being replaced on the negative electrodes.

Make sure to allow batteries which are seemingly dead, to charge 24 hours before testing. Dispose of depleted lead acid batteries properly.



### BATTERY MODELS

The following battery configurations are the most popular models that we offer for lead acid batteries. Freight allowed on orders over \$2,000.00

### AVAILABLE CONFIGURATIONS

Voltage/Capacity	Description	Case Quantity	Model Number
4V4.5AH	4 Volt 4.5 Amp Sealed Lead Acid	20	SLA-445
4V9.0AH	4 Volt 9.0 Amp Sealed Lead Acid	10	SLA-490
6V1.2AH	6 Volt 1.2 Amp Sealed Lead Acid	40	SLA-612
6V3.8AH	6 Volt 3.8 Amp Sealed Lead Acid	20	SLA-638
6V4.5AH	6 Volt 4.5 Amp Sealed Lead Acid	20	SLA-645
6V7AH	6 Volt 7 Amp Sealed Lead Acid	10	SLA-670
6V12AH	6 Volt 12 Amp Sealed Lead Acid	10	SLA-6120
12V0.8AH	12 Volt 0.8 Amp Sealed Lead Acid	20	SLA-12008
12V1.2AH	12 Volt 1.2 Amp Sealed Lead Acid	20	SLA-12012
12V2AH	12 Volt 2 Amp Sealed Lead Acid	20	SLA-12020
12V2.3AH	12 Volt 2.3 Amp Sealed Lead Acid	20	SLA-12023
12V3.4AH	12 Volt 3.4 Amp Sealed Lead Acid	10	SLA-12034
12V5.0AH	12 Volt 5.0 Amp Sealed Lead Acid	10	SLA-12050
12V7.5AH	12 Volt 7.5 Amp Sealed Lead Acid	5	SLA-12075
12V12AH	12 Volt 12 Amp Sealed Lead Acid	4	SLA-12120
12V18AH	12 Volt 18 Amp Sealed Lead Acid	4	SLA-12180
12V20AH	12 Volt 20 Amp Sealed Lead Acid	4	SLA-12200
12V26AH	12 Volt 26 Amp Sealed Lead Acid	2	SLA-12260
12V33AH	12 Volt 33 Amp Sealed Lead Acid	1	SLA-12330
12V40AH	12 Volt 40 Amp Sealed Lead Acid	1	SLA-12400
12V55AH	12 Volt 55 Amp Sealed Lead Acid	1	SLA-12550
12V70AH	12 Volt 70 Amp Sealed Lead Acid	1	SLA-12700
12V75AH	12 Volt 75 Amp Sealed Lead Acid	1	SLA-12750
12V110AH	12 Volt 110 Amp Sealed Lead Acid	1	SLA-121100
12V150AH	12 Volt 150 Amp Sealed Lead Acid	1	SLA-121500
12V200AH	12 Volt 200 Amp Sealed Lead Acid	1	SLA-122000