

SEALED LEAD ACID BATTERIES

VALVE REGULATED & MAINTENANCE FREE



Sealed Lead Acid Batteries represent the latest in advanced technology in deep-cycle, maintenance-free, valve regulated lead acid batteries. They provide superior performance and cycle life to conventional gelled electrolyte batteries in deep cycle and solar power applications.

Originally designed for the aviation and wheelchair industries, the battery features advanced glass matte AGM technology with liquid (not gelled) electrolyte immobilized in a polyethylene envelop around the grids.

From the aircraft application, it features a completely sealed design that operates in any position, never needs water, is vibration-tolerant and spill proof. It is unrestricted for air/UPS shipment. From the wheelchair application, it features very heavy duty intercellular welds and thick positive plates giving deep cycle capability, long service life, low self discharge rate, freezing tolerance and extended partial state of charge operation.

The battery is rated for 350 total discharges before failure and does not require a low voltage disconnect on its charge control system. It does not force the aids to navigation engineer to disconnect the light early for fear of damaging a battery. By design, these batteries produce less than 2% hydrogen gas during a severe overcharge (4.1% is required for flammability in air).

TECHNICAL DATA

- **Self Discharge:** Approx. 1% per month
- **Container and Cover:** Polypropylene
- **Terminals:** Copper Alloy Threaded Inserts, 5/16" diameter bolt hole
- **Flash Arresting vent caps**
- **Positive Plate:** Special Lead Calcium
- **Negative Plate:** Lead Calcium
- **Life:**
 - In excess of 2000 cycles at 10%
 - 800 Cycles at 50%
 - 500 Cycles at 80%
 - 350 Cycles at 100%



Specifications subject to change without notice

GENERAL SPECIFICATIONS

MODEL	Nominal Voltage	Weight (lb/kg)	Length (in/mm)	Width (in/mm)	Height (in/mm)	Ampere-hour Capacity at C/100 Rate
APB-1234	12V	24/11	7.7/196	5.2/132	6.9/175	38 AMPERE-HOURS
APB-1238	12V	29/13.2	7.7/196	5.2/132	8.5/215	45 AMPERE-HOURS
APB-1295**	12V	65/29.5	13.9/355	6.8/172	8.3/211	120 AMPERE-HOURS
APB-6100	6V	50/22.7	10.3/261	6.8/172	9/229	158 AMPERE-HOURS
APB-300	12V	162/73.6	20.7/526	11/280	10.2/260	305 AMPERE-HOURS

Charging—Limit Voltage to 2.35-2.40 Volts per cell at 25 degrees Celsius.

** Approved for Zone 1 applications with appropriate battery box.

Form No.: 042511A

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