



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.

Features

- Absorbed glass Matte AGM technology with liquid (not gelled) electrolyte immobilized in a polyethylene envelope around the grids.
- A completely sealed designed that operates in any position, never needs water, is vibration-tolerant and spill proof.
- Unrestricted for air/UPS shipment. Rated non-spillable by ICAO, IATA, DOT. Listed as UN2800 "non-spillable on MSDS / SDS documentation
- Very heavy duty high performance grid plates, and intercellular welds give deep cycle capability, long service life, low self discharge, freezing tolerances.
- Ultra Premium Glass Mat Separators provide increased protection around battery plates, which inhibits failures from direct plate to plate contact, shorts and excessive vibration
- Fortified Post, Straps and welds that resist vibration, damage and maximize current transfer
- High density Oxide provide maximum high cycling service.



- **Container and Cover:** Polypropylene
- **Self Discharge:** Approx. 2% per month
- **Terminals:** Epoxy sealed – Terminal type C threaded insert with 1/4" – 20 hole
- **Self Sealing Vent System, One-Way Pressure Relief Type**
- **Positive Plate:** Lead Calcium
- **Negative Plate:** Lead Calcium
- **AGM Cycle Life** (Based on BCI 2 Hr. Capacity @ 77°F)
 - > 2000 cycles at 10%
 - > 500 Cycles at 50%
 - 250 Cycles at 80%
 - 200 Cycles at 100%

SPECIFICATIONS

MODEL	APB 12-110
NOMINAL VOLTAGE	12Vdc
WEIGHT (lb/kg)	69 / 31.5
LENGTH (in/mm)	12.93 / 328
WIDTH (in/mm)	6.74 / 171
HEIGHT (in/mm)	9.31 / 236
Ampere-hour Capacity (C/100hr Rate)	110 Ah
Ampere-hour Capacity (C/20hr Rate)	105 Ah
Ampere –hour Capacity (C/5hr Rate)	86 Ah
Optimal Operating Temperature Range	-40°F (-40°C) to -140°F (60°C)
Float/Standby Charge Rate	2.25 Vpc +/- 0.01 @ 77°F (25°C)
Charge/Absorb/Equalize Charge Rate	2.30 Vpc to 2.43 Vpc @ 77°F (25°C)
Cycle Charge Voltage Range	13.8 – 14.6 @ 77°F (25°C)

*Specifications subject to change without notice