SEALED VALVE REGULATED LEAD ACID BATTERIES

Innovative Technology.
Proven Expertise.
Best in Class Solutions.
AGM BATTERIES FOR RESERVE POWER

FLOAT AGM BATTERY BLOCK

Discover® AGM Series VRLA Industrial Batteries provide superior high integrity and reliability for commercial, industrial, and private applications.

The maintenance-free Valve Regulated Lead Acid (VRLA) construction makes Discover® Standard AGM Series Batteries the definitive choice for broadband and CableTV (CATV), Uninterruptible Power Supplies (UPS), telecommunications, and electronics and security applications.

BENEFITS & FEATURES

- Tank formed lead-tin-calcium plates deliver consistent dependable performance and promote long life
- Maintenance-free technology
- 99% gas recombination for extended life in float applications
- Multiple terminal, configuration options and carrying handles available with most models
- Classified as a non-spillable battery and is not restricted for transportation by:
  - Air (IATA/ICAO provision 67)
  - Ground (DOT-CFR-HMR49)
  - Water (IMDG amendment 27)
- Flame retardant ABS case and cover with UL94 V0 rating available
- UL924 recognized flame arresting low pressure safety vents available
- 98% recyclable
- Up to 12 year design life in float service
Performance Characteristics

**DISCHARGE CHARACTERISTICS (20°C/68°F)**

![Graph showing discharge characteristics over time](image1)

**SELF-DISCHARGE CHARACTERISTICS**

![Graph showing self-discharge characteristics](image2)

**LIFE CHARACTERISTICS IN STAND-BY USE**

![Graph showing life characteristics in standby use](image3)

**LIFE CHARACTERISTICS IN CYCLIC USE (CYCLIC MODELS ONLY)**

![Graph showing life characteristics in cyclic use](image4)

**TEMPERATURE EFFECTS ON CAPACITY**

![Graph showing temperature effects on capacity](image5)

**TEMPERATURE EFFECTS ON FLOAT LIFE**

![Graph showing temperature effects on float life](image6)

**CERTIFICATIONS AND STANDARDS**

Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards, including:

- IEC60896-21/22
- BS EN 60254-1:2005

Discover® and its facilities and products are certified to multiple standards:

- ISO, UL, QS, and TUV standards
- ETTS Germany
- Euro Bat classification for Environmental Stewardship Standards.

Discover® attempts to ensure the correctness of the product description and data contained herein. We reserve the right to change designs, specifications and pricing at any time without notice or obligation. It is the responsibility of the reader of this information to verify any and all information presented herein.

Adjust charging voltage to +/- 0.005vpc (C, 0.003vpc/F) from 25°C (77°F).

Limit initial currents to 0.25C20 amps. Charge until battery voltage reaches 2.40 to 2.45vpc.

Hold a constant voltage of 2.25vpc to 2.30vpc continuously.

When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Limit initial currents to 0.25C20 amps. Charge until battery voltage reaches 2.40 to 2.45vpc.

Hold at 2.40 to 2.45vpc until current drops to under 0.01C20 amps. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

Charge may fail to restore full capacity. Do not let battery reach this state.

Charging before use is necessary to recover full capacity.

Charging is not necessary unless 100% of capacity is required.

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Do not let battery reach this state.

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