

Valve Regulated Lead-Acid Deep Cycle Battery

This is a deep cycle battery with a 10-year design life. It is certified to UL and CE standards.



Product Overview

High-Performance Deep Cycle VRLA Battery

This maintenance-free, rechargeable Valve Regulated Lead Acid (VRLA) battery is engineered for a long service life of up to 8 years. Utilizing advanced Absorbed Glass Mat (AGM) technology and a heavy-duty lead-calcium-tin alloy grid, it offers exceptional recovery from deep discharge and reliable performance in both float and cycle applications. Designed with safety in mind, it features a self-sealing pressure valve system and a spill-proof construction that allows for operation in any position.

Technical Specifications

Nominal Voltage	6V, 12V
Design Life	8 years
Operating Temperature Range	-35°C to 45°C
Case Material	ABS (Flame retardant V0 material available)
Electrolyte	Dilute sulfuric acid (Absorbed in glass mat)

Performance Metrics

Charge Voltage (@ 20°C)

2.4 V

Cycle Service (VPC)

2.25 V

Float Service (VPC)

Safety Features

Non-spillable • Gas Recombination (>99%) • Self-sealing Valve (2-5 psi)

Applications

Suitable Applications

- Uninterruptible Power Supplies (UPS)
- Telecommunication systems
- Switch-gear operations
- Cellular radio
- Computer power supply
- Standby power supply
- Photovoltaic systems