

Code: 750019

Description

Sealed Lead Acid Battery, 12V/25AH



Overview

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Application

- ✓ Control System.
- ✓ Alarm system.
- ✓ Power system.
- ✓ Railway system Emergency Light.
- ✓ Emergency Lighting System.
- ✓ Backup power supply.
- ✓ UPSTelecom Equipment.
- ✓ Fire and Security System.
- ✓ Power Station Electric Tools.

Advantages

- ✓ Design life: 10 years high specification, safe and reliable seal.
- ✓ Low internal resistance.
- ✓ Low self-discharge rate Strong Charge acceptance and High sealing response efficiency.

Features

- ✓ High-strength ABS plastic battery.
- ✓ Compact structure, Impact resistance and Seismic capacity Special Lead-based multi-element alloy grid.
- ✓ Low internal resistance, Strong charging acceptance ability manufacturing process.
- ✓ High active material utilization rate.
- ✓ High-purity electrolyte and special additives, Low self-discharge rate
- ✓ Multi-layer sealing technology and special sealant ensure that the battery has leakage and no acid over, Safe

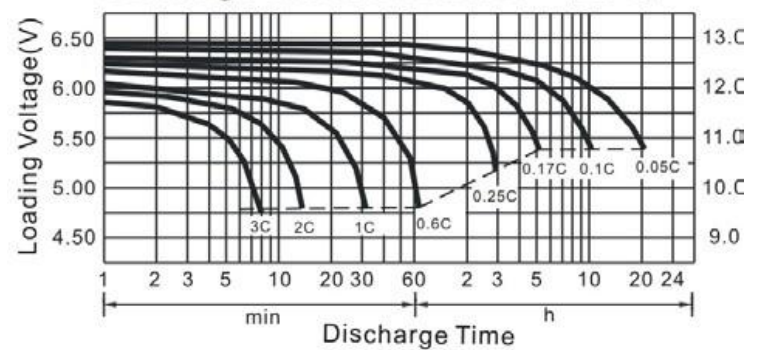
Specifications

| | | |
|----------------------------------|--------------|---------|
| Nominal Voltage | | 12V |
| Rated Capacity 77°F(25°C) (20HR) | | 25.0Ah |
| Dimensions (mm) | Length | 176.5±2 |
| | Width | 167±2 |
| | Height | 124±2 |
| | Total Height | 127±2 |
| Approx. Weight (kg) | | 7.4 |
| Terminal | | T10 |

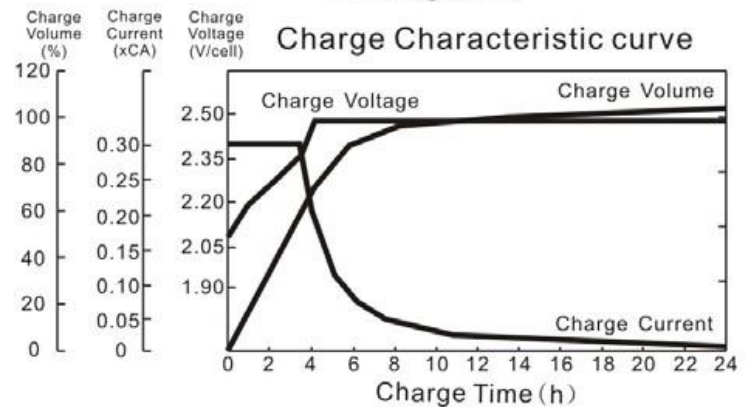
Characteristics

| | | |
|--|------------------------------------|---|
| Capacity 77°F(25°C) | 20HR (1.25A) | 25.0Ah |
| | 10HR (2.33A) | 23.3Ah |
| | 5HR (4.25A) | 21.3Ah |
| | 1HR (15.3A) | 15.3Ah |
| | 15 min rate (46.3A) | 11.6Ah |
| Internal Resistance | Full Charged Battery 77°F(25°C) | Approx. 12m Ω |
| Temperature dependence of capacity (20HR) | 104°F(40°C) | 102% |
| | 77°F(25°C) | 100% |
| | 32°F(0°C) | 85% |
| | 5°F(-15°C) | 65% |
| Self-Discharge 68°F(20°C) (Capacity after) | 3 months | 90% |
| | 6 months | 80% |
| | 12 months | 60% |
| Max. Discharge Current, 77°F(25°C) | | 375A(5s) |
| Floating design life, 77°F(25°C) | | 5 years |
| Constant Voltage Charge, 77°F(25°C) | Cycle | 14.5~14.9V(-24mV/°C) max. current: 7.5 A |
| | Float | 13.6~13.8V(-18mV/°C) |

Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Cycle service life in relation to depth of discharge

