

Code: 750019

## Description

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### Sealed Lead Acid Battery, 12V/36AH



## Overview

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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

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- ✓ 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

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

## Features

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- ✓ 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

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Nominal Voltage		12V
Rated Capacity (25 <sup>0</sup> C) (10HR)		36.0Ah
Dimensions (mm)	Length	195±2
	Width	130±2
	Height	155±2
	Total Height	180±2
Approx. Weight (kg)		9.7
Terminal		T8

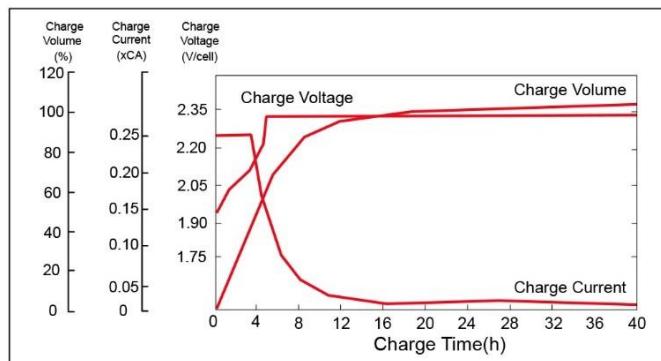
## Characteristics

Capacity 25°C	20HR (1.855A)	37.1Ah
	10HR (3.500A)	36.0Ah
	5HR (5.950A)	29.8Ah
	1HR (19.25A)	19.3Ah
	15min rate (61.25A)	15.3Ah
Internal Resistance	Full Charged Battery 25°C	Approx. 8mΩ
Temperature dependence of capacity (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self- Discharge 20°C (Capacity after)	3 months	90%
	6 months	80%
	12 months	60%
Max. Discharge Current 25°C		350A(5s)
Floating design life 25°C		10 years
Constant Voltage Charge 25°C	Cycle	14.4 ~ 14.7V(-24V/°C), Max.current: 8.75A
	Float	13.6 ~ 13.8V(-18V/°C)

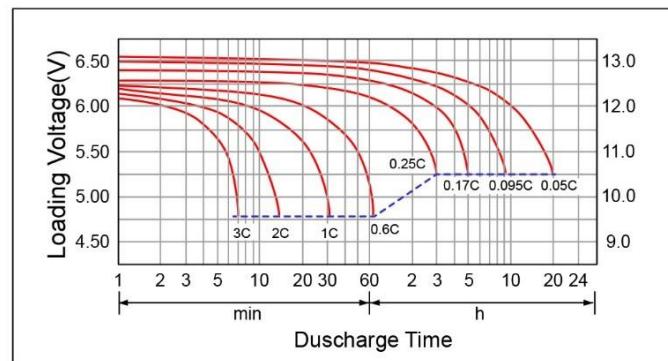
## Certification



## Charge Characteristics Curve



## Discharge Characteristics Curve 25°C



## Float service life VS temperature

