# TECHNICAL DATA SHEET

## D24-10




## Applications

CYCLIC STATIONARY SOLAR MARINE

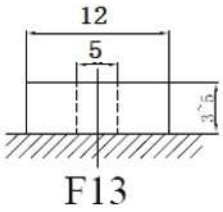
## Overview

The rechargeable battery is optimized for low rate application which reqiures high energy density.

## Features

- High energy density
- Automatic protection with battery management system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature
- Used alone

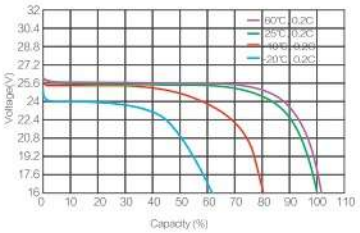
## Terminal



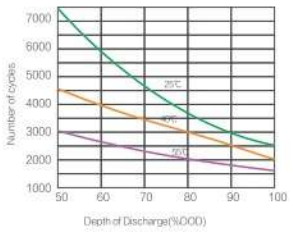

## Battery Specification

| | |
|---|---|
| **Nominal Characteristics** | |
| Nominal Voltage /V | 25.6 |
| Nominal Capacity /Ah (25℃, 0.2C) | ≥9.8 |
| **Mechanical characteristics** | |
| Weight (approximate)/Kg | 3.2±0.1 |
| Dimension L*W*H /mm | 181*77*167 |
| Terminal | F13 |
| **Electrical characteristics** | |
| Voltage window/V | 19.2 to 29.2 |
| Float charge voltage/V | 27.6 |
| Max. continue discharge current/A | 30 |
| Max. pulse discharge current/A | 70A 10Sec. |
| Max. continue charge current/A | 10 |
| **Operating conditions** | |
| Cycle life (+25℃ 0.2C 100%DOD) | >2500 Cycles |
| Operating temperature | Discharge -20℃ to 60℃; Charge 0℃ to 60℃ |
| Storage temperature | 0 to 30℃ |
| Storage duration | 12 months at 25℃ |
| Safety standard | UI1642 at cell level |
| IP Degree | IP55 |

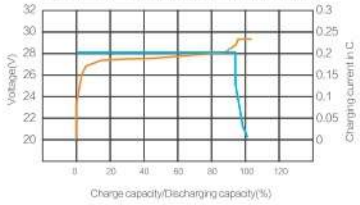
Dis charge curves under differents tempertatures




Cycle life vervus DOD and temperture at 0.2C




0.2C CC-CV charge characteristic




Self-discharge characteristic

