



ZXDC48 FB100B3 SmartLi Battery

Introduction

ZXDC48 FB100B3 is the new generation of SmartLi battery, which adopts advanced lithium technology for telecom site. It is compact design with enhanced anti-theft function. New technology enables step-by-step investment for future network evolution.

Product Features

- 3U height with excellent cycle life
- Large charge & discharge current: max. 100A
- iLock technology^① and buzzer alarm for anti-theft
- GPS function (optional)
- Constant voltage output for long distance load
- Mixed-use with lead-acid battery or different type of lithium-ion battery directly



ZXDC48 FB100B3

Technical Parameters

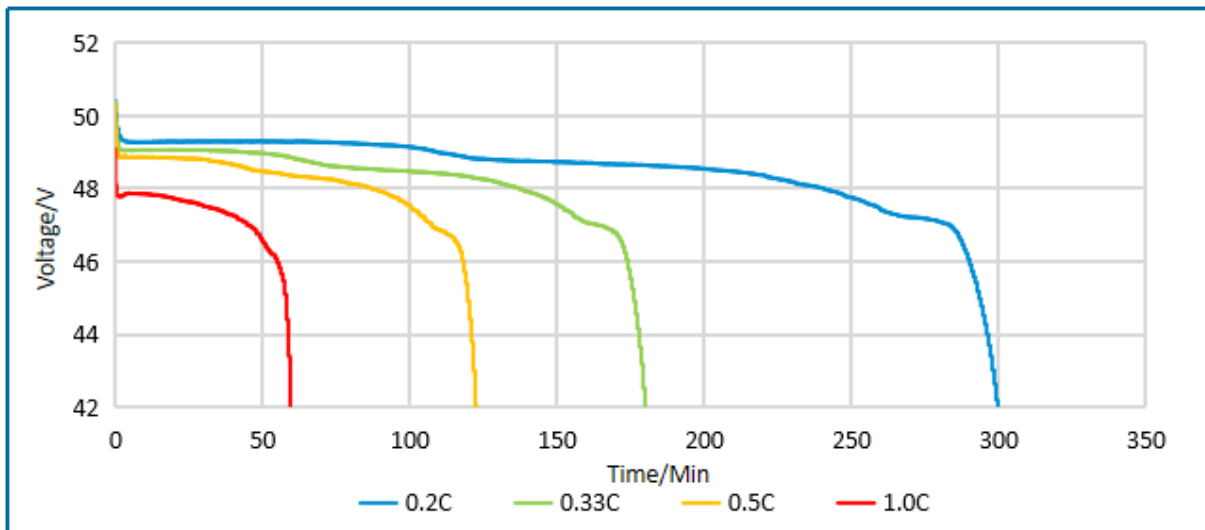
| Item | Parameters |
|-------------------------------------|---|
| Rated capacity | 100Ah(C ₂ ,25°C) |
| Nominal voltage | 48V |
| Cathode material | LiFePO ₄ |
| Charge voltage | 54.5Vdc(recommended value) |
| Max. charge/discharge current | 100A |
| Operating temperature | charging: 0°C~55°C, discharging: -20°C~+55°C |
| Storage temperature | 0°C~+40°C |
| Dimensions(W*D*H mm) | 442×410×130.5(excluding mounting ear, handle, terminal) |
| Net weight | ≤45kg |
| Self discharge@25°C | Less than 5% after 90 days storage |
| Methods for detecting battery theft | gyroscope, anti-theft cable, communication |
| Altitude | 0m~4000m |

① ZXDC48 FB100B3 can lock the battery output automatically when battery is stolen, and should be unlocked by authorized operators. There are multiple methods for detecting battery theft, including gyroscope, anti-theft cable, communication.

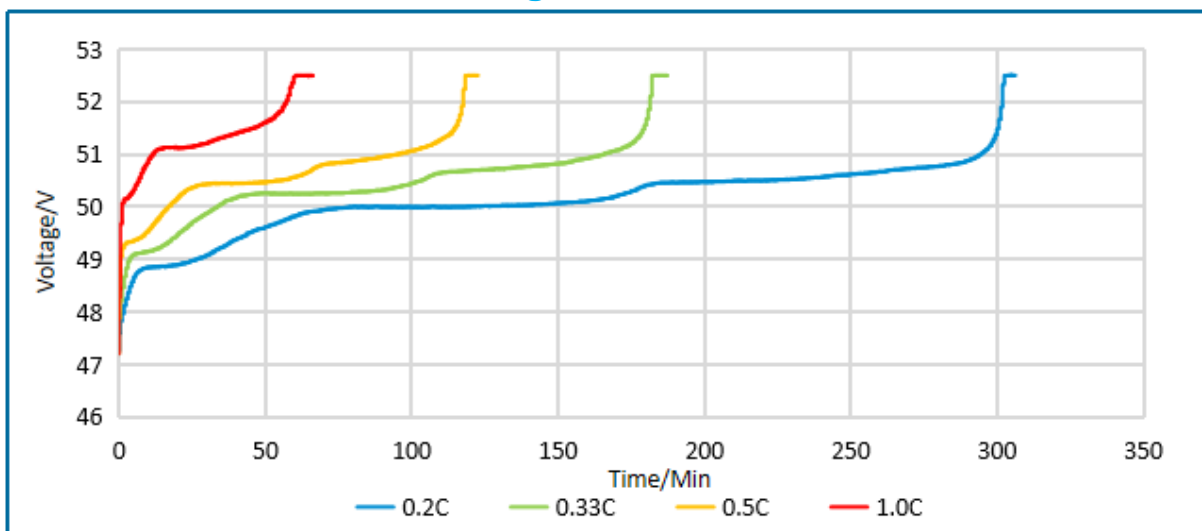


| Item | Parameters |
|--------------------------------------|------------------------------|
| Relative humidity | 5%RH~95%RH |
| Atmospheric pressure | 70kPa~106kPa |
| Protection grade | IP40 |
| Design life | 15 years(25°C) |
| Cycle life | 3500 cycles@80%DOD,0.5C,35°C |
| Max. quantity of parallel connection | 32 |
| BMS Cell balancing feature | Resistance balance |
| Communication protocol | YD/T 1363.3, Modbus |
| Interface | Dry Contact*2,RS485,CAN |
| Certification | UN38.3,CE |

Discharge curve, 25 °C



Charge curve, 25 °C



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