



FB101 Lithium-ion Battery



ZXDC48 FB101

Introduction

ZTE ZXDC48 FB101 lithium-ion battery is designed for various scenarios such as good grid or poor grid for backup or reuse.

Product Feature

- 4U height and supports 19" standard installation.
- Excellent cycle performance
- Large charge & discharge current: max. 0.5C
- Supports parallel connection up to 16 pcs.
- High environmental adaptability in various sites
- Built in Battery Management Unit (BMU)

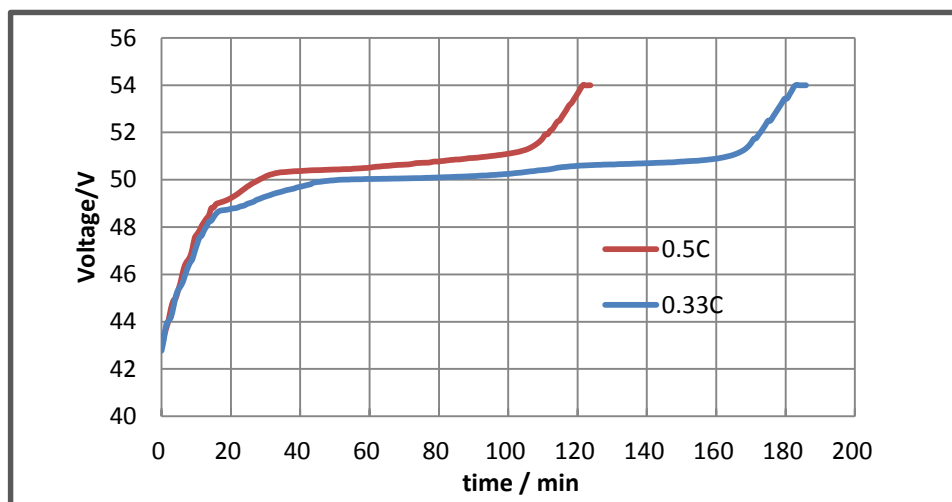
Technical Parameters

Item	Parameters
Rated capacity	100Ah(C ₃ ,25°C,cut-off voltage 42V)
Energy storage	4800Wh
Nominal voltage	48V
Battery type(Cathode material)	LiFePO ₄
Operating voltage range	-42V ~ -53.5 V
Recommended current	0.3C
Charge current range	0A~50A
Charge current limiting module	10A, can be set to On or OFF
Discharge current range	0A~50A
Operating temperature	charging: 0°C~55°C, discharging: -20°C~+55°C
Storage temperature range	-20°C~+60°C
Dimensions(W*D*H mm)	442*395*176(4U) (excluding mounting ear,handle,terminal)
Net weight	≈42kg
Self discharge	<3% per month@RT
Memory effect	None

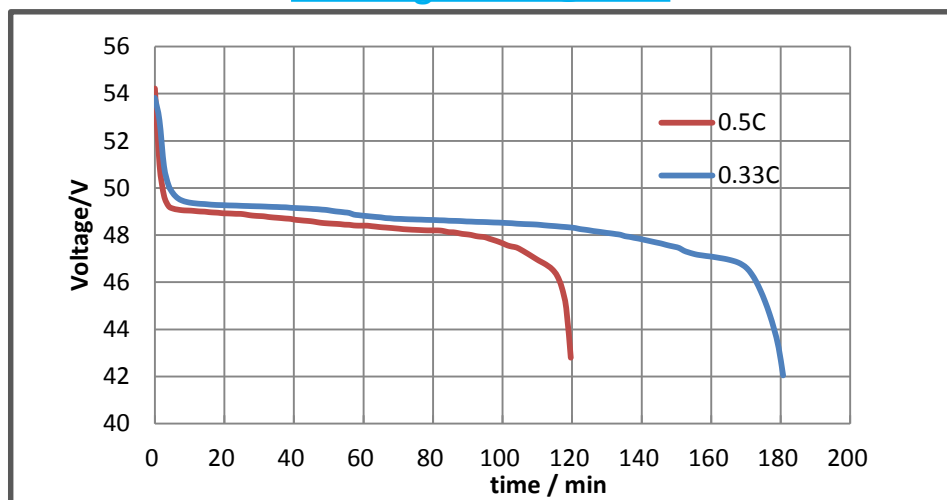


Item	Parameters
Relative humidity	5%RH~95%RH
Atmospheric pressure	70kPa~106kPa
Protection grade	IP20
Design life	15 years(25℃)
Cycle life@80%DOD, 35℃	3500 cycles(considering 80%EOL) 6000 cycles(considering 70%EOL)
Parallel function	Max. 16 batteries parallel connection
BMS Cell balancing feature	Resistance balance
Internal Resistance	≈15 mΩ
Communication Protocol	ZTE's Protocol
Communication Ports	DO*1,RS232*1,RS485*2,ADDR*1
Certification	UN38.3,IEC62619,CE

Charge curve@25 °C



Discharge curve@25 °C



ZTE CORPORATION

NO. 55, Hi-tech Road South, Shenzhen, P. R. China
Postcode: 518057
Web: www.zte.com
Tel: +86-755-26770000
Fax: +86-755-26771999

ZTE