

Lithium-Ion Battery | IBUK-48100



Introduction

IBUK-48100 is a 19-inch 2U 100 Ah rechargeable lithium iron phosphate battery designed for applications such as telecom power systems, energy storage, renewable energy, and hybrid power solutions. It is featured with high energy density, redundant safety design, long cycle life, light weight, easy to install, maintenance-free and extensive monitoring and controlling capabilities. It is widely used in indoor power and backup systems to provide reliable power for telecom equipment.

Key features:

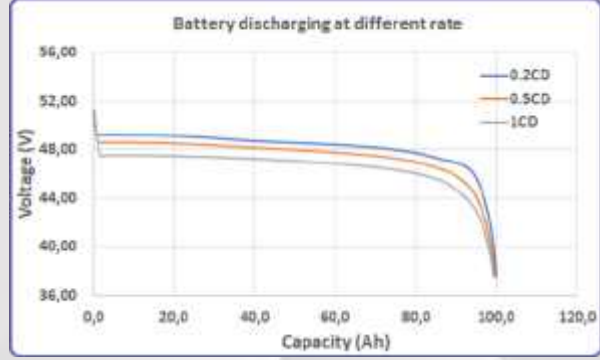
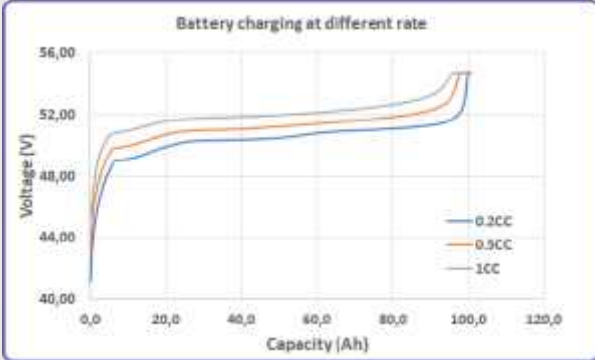
- 19-inch design and unique outlook
- Easy and safe to install with anti-theft feature
- Easy expansion with auto address assignment during parallel connection of batteries
- Long cycle life and service life
- Modular fan-free design
- Remote real-time monitoring of battery data
- Safe and green, environment friendly

TECHNICAL SPECIFICATION

Lithium chemistry	Lithium Iron Phosphate (LFP)	
Nominal voltage	48 V	
Rated capacity	100 Ah (@ 25°C)	
Rated energy	4800 Wh	
Cycle life	4000 (Cycles @ 25°C, 80% DOD)	
Calendar life	15 years	
Communication interface	RS485	
Cabinet rack size	19" 2U	
Dimensions	W483(446) H87.5 D550(460) mm	
Protection level	IP20	
Weight	39.6 kg	
Maximum charge voltage	54.75 V	
Maximum charge current	100 A	
Charge current limit function	10 A	
Maximum discharge current	100 A	
End of discharge voltage	39 V	
Charge temperature	0 °C to +55 °C	
Discharge temperature	-20 °C to +55 °C	
Storage temperature	-20 °C to +55 °C	
Standards	CB	IEC/EN 62368-1, IEC/EN 62619
	EMC	ETSI EN 300 386 (<3 m cables)
	CE	EMC Directive 2014/30/EU RoHS Directive 2011/65/EU
	Transport	UN38.3

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Battery charge and discharge performance



Dimensions

