



IBUE-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 features 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.

## Lithium-Ion Battery IBUE-48100

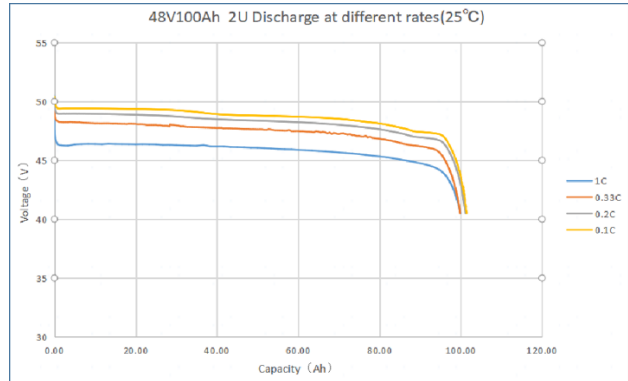
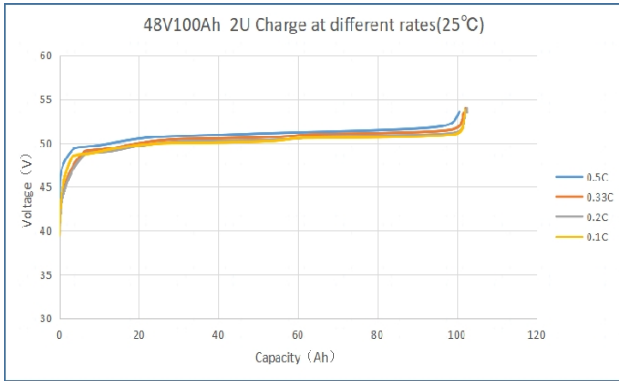


### Key features:

- Modular design for 19-inch rack installation
- Easy and safe to install
- Easy expansion with auto address assignment during parallel connection of batteries
- Long cycle life and service life
- Designed for convection cooling
- Remote real-time monitoring of battery data
- Anti-theft feature
- Safe and green, environment friendly

TECHNICAL SPECIFICATION		
<b>Lithium chemistry</b>	Lithium Iron Phosphate (LFP)	
<b>Nominal voltage</b>	48 V	
<b>Rated capacity</b>	100 Ah (@ 25°C)	
<b>Rated energy</b>	4800 Wh	
<b>Cycle life</b>	8000 (Cycles @ 25°C, 80% DOD)	
<b>Calendar life</b>	≥15 years	
<b>Communication</b>	RS485-Modbus (CAN bus between battery units)	
<b>Cabinet rack size</b>	19" 2U	
<b>Dimensions</b>	W483(446) H87.5 D550(460.5) mm <sup>3</sup>	
<b>Protection level</b>	IP20	
<b>Weight</b>	39.6 kg	
<b>Standard (Maximum) charge voltage</b>	54.0 V (54.75 V)	
<b>Maximum charge current</b>	50 A	
<b>Charge current limit function</b>	10 A	
<b>Maximum discharge current</b>	100 A	
<b>End of discharge voltage</b>	40.5 V	
<b>Charge temperature</b>	0 °C to +55 °C	
<b>Discharge temperature</b>	-20 °C to +55 °C	
<b>Storage temperature</b>	-20 °C to +55 °C	
<b>Standards</b>	CB	IEC/EN 62368-1, IEC/EN 62619, UL 1973
	EMC	ETSI EN 300 386 (<3 m cables), FCC
	CE	EMC Directive 2014/30/EU RoHS Directive 2011/65/EU
	Transport	UN38.3

**Battery charge and discharge performance**



**Dimensions**

