



Lithium-Ion Battery IBUK-48/100

IBUK-48/100 is a 19-inch 4U 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.

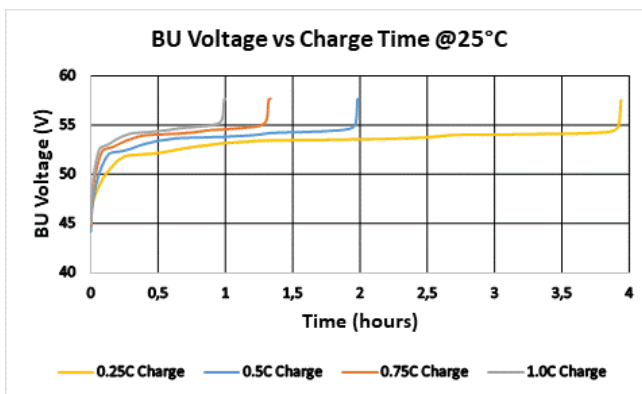
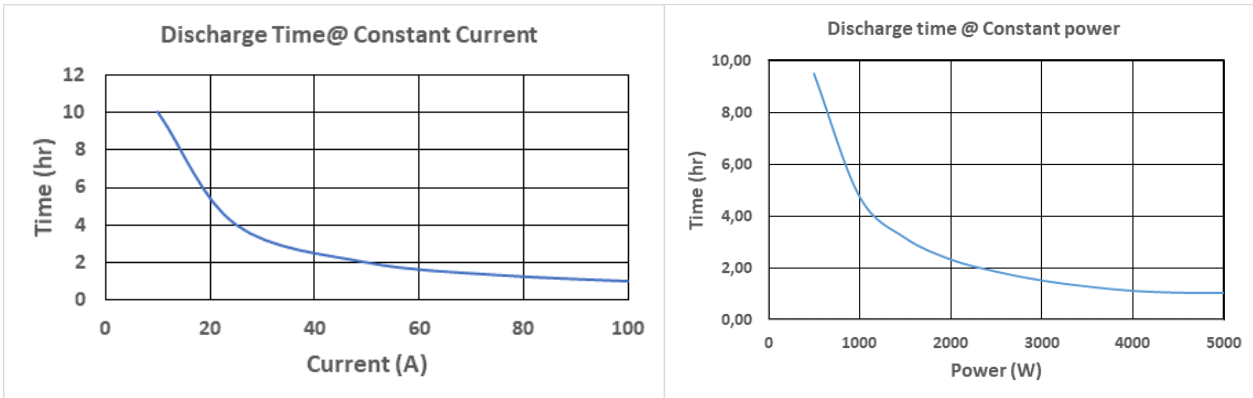
Key features:

- Standard 19-inch design
- Easy expansion, supporting parallel connection of batteries
- Long cycle life and service life
- Modular fan-free design
- Universal installation kits, easy to install
- Remote real-time monitoring of battery data
- Safety and green, environment friendly



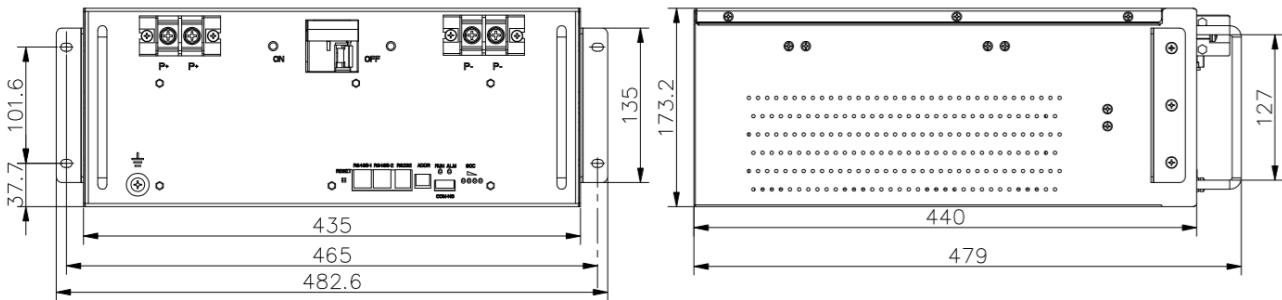
| TECHNICAL SPECIFICATION | | |
|-------------------------------|--|--|
| Lithium chemistry | LFP (Lithium Iron Phosphate) | |
| Nominal voltage | 51.2 V | |
| Rated capacity | 100 Ah (@ 25°C) | |
| Rated energy | 5120 Wh | |
| Cycle life | 3000 (Cycles @ 25°C, 100% DOD) | |
| Calendar life | ≥15 years | |
| Communication interface | RS485, RS232 | |
| Cabinet rack size | 19" 4U | |
| Dimensions | W482.6 H173.2 D440 mm (D479 mm with handles) | |
| Protection level | IP20 | |
| Weight | 47.6 kg | |
| Maximum charge voltage | 57.6 V | |
| Charge current limit function | 20 A (Default) | |
| Maximum charge current | 100 A (Configurable) | |
| Maximum discharge current | 100 A | |
| End of discharge voltage | 40 V | |
| Charge temperature | 0 °C to +55 °C | |
| Discharge temperature | -20 °C to +55 °C | |
| Storage temperature | -20 °C to +55 °C | |
| Certifications | CB | IEC/EN 62368-1 (2 nd edition), IEC/EN 62619 |
| | EMC | ETSI EN 300 386 (<3 m cables) |
| | CE | RoHS Directive 2011/65/EU |
| | Transport | UN38.3 |

Battery performance



| Battery Voltage (V) | Discharge Time (min) | | | |
|---------------------|----------------------|-----|-----|------|
| | 25A | 50A | 75A | 100A |
| 50.0 | 225 | 104 | 65 | 42 |
| 49.0 | 230 | 114 | 75 | 52 |
| 48.0 | 234 | 116 | 76 | 57 |
| 47.0 | 236 | 117 | 77 | 57 |
| 46.0 | 238 | 118 | 78 | 58 |
| 45.0 | 239 | 119 | 79 | 59 |
| 44.0 | 240 | 119 | 79 | 59 |
| 43.0 | 241 | 120 | 80 | 60 |

Dimensions



COMPATIBLE PRODUCTS

Outdoor Equipment Cabinet

Model: OSPK-A30L



Indoor Cabinet

Model: ISPK-B80L



Indoor Cabinet

Model: ISPK-B40M

