

Lithium-ion Battery

Rackwall 8 51.2V150AH



Model:
LIO 8.0-IP20



Safety

- Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- Low voltage system, safety for application.
- Battery certification: UN38.3, MSDS, CE



Design

- Standard 19" rack design.
- Flexible and easily installation, rack mounted.
- -20~+55°C widely temperature range.
- 4.3" touch LCD screen.
- Quick Lock and Press-to-Release Terminals.
- Maintenance free.



Scalability

- Parallel support for more energy.
- Communication compatible with the major inverter manufacturers, Change different inverter protocol by LCD.



Battery Management System

- Independent protection for charge and discharge.
- SOC, Alarm, Run display and PC software for detailed operation.
- OVP, LVP, OCP, OTP, LTP, Short-circuit protection.
- RS485, CAN communication port for inverter and Link in & out for battery to battery communication.

Technical Data Sheet

| | |
|---------------------------------|--|
| Model | LIO 8.0-IP20 |
| Nominal Voltage [V] | 51.2 |
| Nominal Capacity [Ah] | 150 |
| Total Energy [Wh] | 7680 |
| Dimension (W*D*H, mm) | 442*520*175 |
| Weight [Kg] | 65.0 |
| Max. Charging Current [A] | 150 |
| Max. Discharging Current [A] | 150 |
| Pulse Discharge Current | 180A @2S |
| Charging Voltage [V] | 55.2-57.6 |
| End of Discharge Voltage [V] | 48 |
| Operation Humidity | 0-95% RH (No condensing) |
| Operating Temperature Range | Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C |
| Cycle Life ⁽¹⁾ | >6000 |
| Designed Calendar Life | 10 Years |
| Communication interface | For inverter : RS485, CAN For battery to battery: LINK-IN, LINK-OUT |
| Protection | Over voltage, Low voltage, Over current, Over Temperature, Low Temperature, Short circuit |
| Parallel Support ⁽²⁾ | Yes, Max. 15 Sets |
| Series Support | Not support |

Note:

(1) 25°C, 0.5C /1C , 90%DOD to 80% of initial capacity.

(2) For parallel connection, refer to user manual.

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