

Powerwall 6.11 51.2V100Ah



Model: LIO 5.32-IP20



IP20
Protection



4.3" HMI
Touchable
Screen



Continuous
Charge / Discharge



6000
Cycles



5 Years
Warranty



100AH
Capacity



Powered by
REPT



LiFePO4
Cells



PACE BMS



Parallel
upto 15 Units



Safety

- Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- Low voltage system, safety for application.
- Cell certification: IEC62619, UL1973, UL9540A, ROHS.
- Battery certification: UN38.3, MSDS, CE



Scalability

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



Design

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



Battery Management System

- Independent protection for charge and discharge.
- LCD display and PC software for detailed operation.
- OVP, LVP, OCP, OTP, LTP, Short-circuit protection.
- Rs485 communication port for inverter & CAN communication port for battery parallel or CAN communication port for inverter & RS485 communication port for battery parallel

Technical Data Sheet

| Model | LIO 5.32-IP20 |
|---------------------------------|--|
| Nominal Voltage [V] | 51.2 |
| Nominal Capacity [Ah] | 100 |
| Total Energy [Wh] | 5120 |
| Dimension (W*D*H, mm) | 442*470*160 |
| Weight [Kg] | 46.0 |
| Max. Charging Current [A] | 100 |
| Max. Discharging Current [A] | 100 |
| Pulse Discharge Current | 120A @2S |
| Charging Voltage [V] | 55.2-57.6 |
| End of Discharge Voltage [V] | 44 |
| 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 /0.5C , 80%DOD to 70% of initial capacity.

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

Compatible with Inverter Brands

