

Lithium-ion Battery

Powerwall 6.11 51.2V100Ah



Model:
LIO 5.32-IP20



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



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.



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.
- 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]	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 /0.5C , 80%DOD to 70% of initial capacity.

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

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