

Lithium-ion Battery

# Rackwall 15 51.2V280AH



Model:  
LIO 15.0-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



## Scalability

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



## 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.



## 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 15.0-IP20
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	280
Total Energy [Wh]	14336
Dimension (W*D*H, mm)	442*650*250
Weight [Kg]	115.2
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 <sup>(1)</sup>	>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 <sup>(2)</sup>	Yes, Max. 15 Sets
Series Support	Not support

Note:

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

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

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