

Lithium-ion Battery

# Powerwall 3.1 25.6V100AH



Model: LIO 2.66-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 2.66-IP20
Nominal Voltage [V]	25.6
Nominal Capacity [Ah]	100
Total Energy [Wh]	2560
Dimension (W*D*H, mm)	395*470*160
Weight [Kg]	28.0
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @2S
Charging Voltage [V]	27.6-28.8
End of Discharge Voltage [V]	22
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. 8 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

