

# MONITORING SCREEN FOR SMART LITHIUM BATTERY SERIES



## RENOGY MONITORING SCREEN FOR SMART LITHIUM BATTERY SERIES

The Renogy Monitoring Screen for Smart Lithium Battery Series is a high precision meter designed for Smart Lithium Iron Phosphate Batteries in off-grid energy storage systems. Instead of measuring the current flowing in/out of the battery bank, it can communicate directly with the battery management system (BMS) and obtain more accurate state of charge (SoC) readings compared to traditional battery monitors. Other battery bank information including voltage, current, capacity, remaining time, warning code, and number of paralleled batteries are also available on the monitoring screen to help users avoid abnormal conditions and extend the lifetime of battery bank.

### KEY FEATURES

- **Plug and Play**  
Simply connects the monitoring screen to the battery bank using an RJ45 communication cable for real-time monitoring.
- **Accurate Readings**  
Obtains battery bank status directly from the battery management system for precise tracking and prediction.
- **Comprehensive Protection**  
Displays straightforward warning codes for the quick recognition of potential abnormal conditions and improper operation.
- **Easy Operation**  
Shows detailed battery bank information at the push of a button without the need of system configuration and calibration.

## Electrical Specifications

Supply Voltage	12VDC
Supply Current	30mA
Operating Temperature Range	-4~113°F / -20~45°C
Voltage Accuracy	±0.1V
Current Accuracy	±0.1A
Certification	FCC, CE, RoHS

## Mechanical Specifications

Communication Port	RJ45 (RS485 Protocol)
Display	Backlit LCD
User Interface	2 Front Panel Menu Buttons, 1 Power Button
Mounting System	Wall Mount
Dimensions	2.76 × 4.33 × 1.25 in / 70 × 110 × 31.8 mm
Weight	0.14 lb / 62 g

