RENOGY

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SMART SHUNT 300





Renogy **Smart Shunt 300**

Renogy Smart Shunt 300 is an intelligent battery monitor that measures the battery voltage and current based on which it calculates the state of charge (SOC) and remaining running time of the battery.

In addition, the shunt records historical charging and discharging data such as full deep discharge cycle, discharge capacity, charge cycle, and battery temperature.

With the built-in Bluetooth module, Smart Shunt 300 communicates with the DC Home app and Renogy ONE. This allows you to monitor real-time charging and discharging data and customize related parameters. These settings encompass nominal capacity, deep discharge thresholds, temperature alarms, and SOC alarms.

KEY FEATURE

- **Universal Battery Compatibility**
  Works seamlessly with various battery types, including Lead Acid (AGM, GEL), Lithium Iron Phosphate, Lithium-ion, and Nickel-metal hybrid.
- **Comprehensive Battery Insights**
  Provides vital battery information such as State of Charge (SOC), voltage, current, energy, remaining time, temperature, and starter battery voltage.
- **Alarm and Historical Data**
  Records historical data and offers alerts for abnormal conditions through the DC Home app.
- **Convenient Remote Monitoring**
  Enables remote monitoring and control via Renogy ONE and the DC Home App using Bluetooth connectivity.
- **Effortless Installation and Configuration**
  Simplifies installation and settings adjustments through the DC Home app for a user-friendly experience.

TECHNICAL SPECIFICATIONS

General

Product Name	Renogy Smart Shunt 300
Model	RSHST-B02P300-G1
Operating Voltage	8V to 120V DC
Power Consumption	< 0.1 W
Communication	• Bluetooth LE • Bluetooth Mesh
Max Continuous Current	300A
Max Peak Current	500A (< 10s)
Current Accuracy	±1%
Current Resolution	0.01A
Battery Capacity (Ah)	1 to 6500Ah
Voltage Input Range	8V to 120V DC
Voltage Input Resolution	10 mV
Battery Connector	M10 bolts
Temperature Sensor Range	-4°F to 176°F (-20°C to 80°C)
Temperature Sensor Accuracy	±1%
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Operating Humidity	0% to 95% RH
Operating Altitude	Less than 6,562 ft (2000m)
Installation	Surface mounting
Dimensions	5.27 x 3.82 x 1.22 in (134 x 97 x 31 mm)
Weight	0.57 lb (260g)
Certifications	CE, FCC ID, IC ID, RCM, TSCA, RoHS, UN38.3, and TELEC
Warranty	1 year