RENOGY
TRUSTED ENERGY SOLUTIONS

RENOGY Battery Shunt 300

RSHST-B02P300

Description

Renogy Battery Shunt 300 is a Bluetooth-enabled battery monitoring device that measures voltage, current, and temperature to calculate state of charge (SOC) and remaining runtime. It logs charging and discharging activity to help you monitor overall battery health.

When paired with Renogy ONE Core and the Renogy App, the shunt supports real-time data display and system parameter setup.

Key Features

- **Real-Time Battery Monitoring**

Displays SOC, voltage, and remaining runtime via Renogy ONE Core and Renogy App with high-precision current sensing.

- **Charging & Discharging Logs**

Records battery history to support long-term performance tracking.

- **Broad Battery Compatibility**

Works with a wide range of starter and auxiliary battery chemistries.

- **Temperature Sensing & Alerts**

Monitors battery temperature and provides related notifications.

- **Flexible Mounting & Setup**

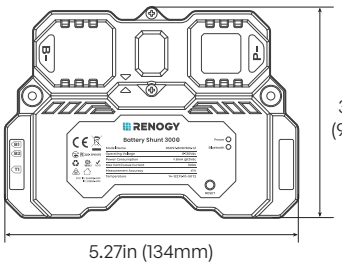
Guided installation and configuration through Renogy ONE Core and the Renogy App .

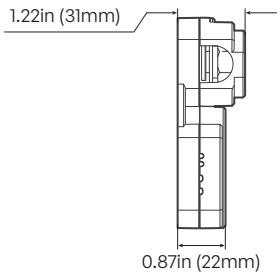
Recommended Accessories

Renogy One Core (RSHGWSN-WO2W)

An all-in-one solution for local/remote energy monitoring and analysis.

Recommended Accessories





Technical Specifications

Electrical Specifications

Model	RSHST-B02P300
System Voltage	12V/24V DC
Operating Voltage	8V to 120V DC
Power Consumption	<0.1W
Communication	Bluetooth LE, Bluetooth Mesh
Max Continuous Current	300A
Max Peak Current	500A (<10s)
Current Accuracy	±1%
Current Resolution	0.01A
Battery Capacity	1 to 6,500Ah
Voltage Input Range	8V to 120V DC
Voltage Input Resolution	10mV

Mechanical Specifications

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 6,562ft / 2,000m
Installation	Surface Mounting
Dimensions	5.27 x 3.82 x 1.22in / 134 x 97 x 31mm
Weight	0.57 lbs / 260g
Certifications	CE, R10, FCC, RCM, TELEC
Warranty	1-Year

Package Contents

Mounting Screws	Yes (x3)
B1/B2 Wires	Yes (x2)
Temperature Sensor	Yes (x1)
Quick Guide	Yes (x1)

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These data sheets can be found in the downloads section of our website, www.renogy.com.