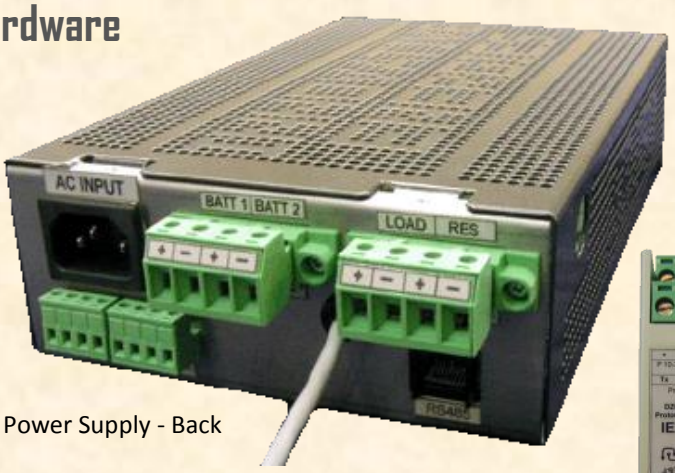
Brochure
Dual Battery String Power Supply with Modbus Interface

Hardware



Power Supply - Back


Power Supply - Front

Modbus Protocol Converter

Summary

The SR250 supports two battery strings and battery testing capabilities. This system is designed is such a way that one battery string can be fully tested, but discharging it and monitoring the currents and at the same time still maintain a stable output voltage in the case of a power failure.

Battery condition and power supply state information is available via serial Modbus RTU.

This power supply is available in various voltage outputs.

Features

- 250W Power Supply
- Available in various voltage outputs
- Automatic battery test capabilities
- Manually activated test battery testing
- Battery bad indication
- Extends battery lifetime
- Battery temperature monitoring capabilities (also stored max. and min. temperatures)
- Has modbus RTU communication capabilities via RS232 or RS485
- Modbus interface programmable using Windows based software

Control and Monitoring Parameters Available Via Modbus RTU (RS232 or RS485)

General Parameters:

- Normal Operation Indication
- Mains Failure Indication
- Overload Alarm
- Battery Condition Test Enabled

Battery Condition and Alarms

- Battery 1/2 Present Indication
- Battery 1/2 Charging Indication
- Battery 1/2 Discharging Indication
- Battery 1/2 Resting Indication
- Battery 1/2 Low Alarm
- Battery 1/2 Missing Alarm
- Battery 1/2 Good Condition Indication
- Battery 1/2 Testing Indication
- Battery 1/2 Bad Condition Alarm

Controls

- Batery Temperature Limits Reset
- Manual Start of a Battery Condition Test
- Manual Stop of a Battery Condition Test
- Enable Automatic Battery Condition Test
- Disable Automatic Battery Condition Test

Monitored Parameters

- Output Voltage
- Battery Current
- Power Supply Current
- Battery Temperature
- Test Condition Parameters

Programming and Monitoring Software

A programming and monitoring software is provided for free with the modbus RTU interface.