

SL2010R2

Telemetry Power Supply

The Sperosens SL2010R2 Telemetry Power Supply is the dedicated power source for all Sperosens telemetry devices, while also serving as the communication link between field devices/sensors and the environmental monitoring software server. Engineered for reliability, the SL2010R2 easily handles excessive in-rush currents, delivers a 5A output, and simultaneously charges batteries at 5A. Autonomous battery health checks ensure system reliability, while remote battery rundown tests confirm sufficient capacity when needed.

The service network is fully over-current protected, with automatic restart once faults are cleared. Power supply metrics are continuously monitored, reported on the network, and displayed on the LCD interface. Additionally, the SL2010R2 can operate as a booster supply for extended service networks.

KEY FEATURES

- 24VDC 5A (120W) UPS
- Automatic battery diagnostics and battery management
- Remote battery test
- Remote and local metrics
- Over-current shutdown, auto restart

ORDERING INFO

Part Number
SP00480

Description:
Power Supply Unit SL2010R2 Telemetry



SL2010R2 Telemetry Power Supply

FUNCTIONALITY

The following power supply metrics are reported on the network and displayed on the LCD

- Line Current (The power distribution is shared over two communication lines)
- Line Voltage (The power supply output voltage)
- Line balance
- Door status, Battery Status (Battery present, Fault and Battery Low)
- Mains status

MECHANICAL SPECIFICATIONS

Physical Dimensions:	500mm L x 500mm H x 200mm W
Material:	Powder Coated Mild Steel
Installation method:	Supplied with mounting brackets

CERTIFICATION

None

ENVIRONMENTAL SPECIFICATIONS

Water and Dust:	IP 65 protection standard (water and dust sealed)
Temperature:	-10 °C to +50 °C

ELECTRICAL SPECIFICATIONS

Supply Input:	220VAC
Maximum Power Consumption:	300W
Supply Output:	27,6VDC at 5A
Battery Charging:	Max 5A current