

Fire Alarm System PSU EN54-4 Power Supplies



SC-ATE Series

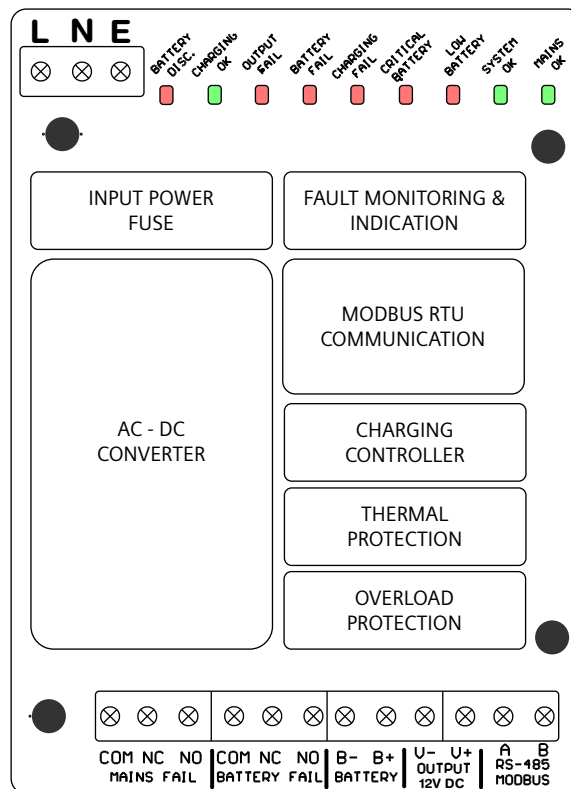
SENSOPER EN54 series Power Supply Units are designed for fire alarm applications with compliance to EN54-4. The PSU has advanced charging management system for the Battery and monitoring systems for fail safe operation.

The PSU continuously monitors the power consumption of the Load connected to the output as well as battery charging currents for additional safety.

Its battery impedance monitoring systems alerts if the battery is degraded and temperature compensated charging improves the life of the battery.

Highlights

- 12 Volts DC, .8 Amp Output Capacity
- Covered critical parts to guard against touching live parts
- Includes two single-pole volt-free changeover relay that switches for Battery fault and AC fault conditions.
- MODBUS RTU over RS-485
- LED indicators for visual indication of fault and operating conditions
- Two selectable battery charge currents.
- Improved on-board temperature sensor with optional remote sensor
- Built-in backup power supply 12V upto 12Ah capacity



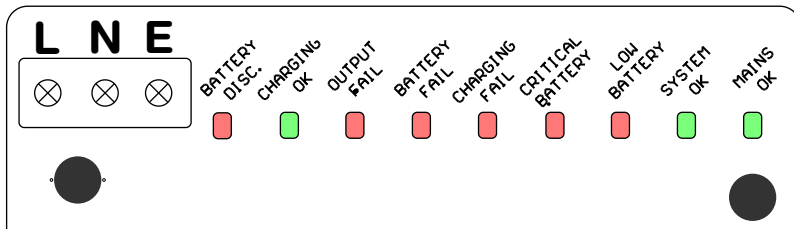
Ordering Information

P/N	Voltage	Charging Control	RS-485 Modbus
SC-ATE-PSU-12	12	Yes	Yes

The SENSOPER EN54 Power supply series is built for the redundancy. The device maintains the output voltage at the OUTPUT terminals, monitoring the availability of main power and battery power. The power supply ensures the battery is kept well charged to provide power in absence of main power. The real-time output current monitoring and charging current monitoring provides added safety and prolonged battery life.

In addition to maintaining the output voltage, the fault monitoring and indication unit keeps an eye on the battery resistance and charging currents. In case of battery degrading or battery disconnection, the PSU is capable of detecting the event and alerting it with its relay outputs.

The RS-485 Modbus interface of the PSU provides access to all the voltage levels and charging currents, as well as the fault events, in cases where detailed information is necessary.



The PSU has on board indicators for following events

- Battery Disconnected
- Battery Charging
- Output Failure
- Battery Failure
- Charging Failure
- Critical Battery Level
- Low Battery
- System OK
- Mains OK

Main

Range of product	SC-ATE
Product type	EN54-4 POWER SUPPLY UNIT
Rated supply voltage	110V AC ~ 250V AC
Rated Fuse Rating	0.5 A Slow blow
Total output current limited to	1.8A (Max. Output Current)
Output Voltage	12V DC
Output Current	I max.a: 1.5A or 0.8A selectable. A load greater than I max.a will temporarily reduce batt. charging.

Charging & Battery

Battery charge capacity	2Ah up to 12Ah (battery charged to 80% capacity in 24hrs)
Max battery size and type	Up to 12Ah

Mechanical

Connections	Mains Input ; Supply Output ; Battery Input ; Fault Relay 1 ; Fault Relay 2
Sensor connections	External Thermistor
Product dimensions (mm)	76 x 100 mm
Construction & finish	FR-4: TG150 / ENIG
IP Rating	Dependent on mounting enclosure.
Weight	210g (without batteries)
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%



Reach-Us

Technical Support
E-mail : support@sensoper.com

Sales Inquiries
E-mail : sales@sensoper.com
www.sensoper.com