



STX Range 24V dc EN54 Power Supply Units



Switch Mode
Technology

Product Overview

The new STX range of switch mode power supplies has been specifically designed for EN54 compliant fire systems.

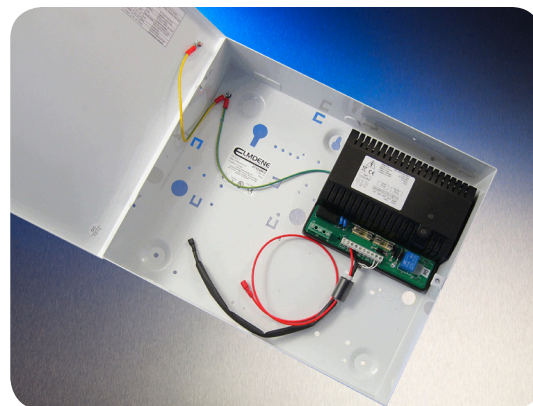
Available in either 1A, 2A, 5A or 10A versions they are certified to EN54-4:1997, A1:2002 & A2:2006.

The units include intelligent battery charging using Elmdene's efficient *EcoCharge* technology, possess mains & battery monitoring with independent volt-free outputs and also feature battery deep discharge protection in the event of a prolonged mains failure.

The inclusion of LED indicators provides quick diagnostics of the status of the power supply, while a variety of enclosures offer the installer a choice of standby battery backup options (see table).

Features

- 27.6V dc output
- Cost effective switch mode technology
- Energy efficient
 - More efficient in operation
 - Saves power reducing power bills
 - Longer life in the field
 - Less prone to failure
- Intelligent battery charging and monitoring using Elmdene's *EcoCharge* technology
- Deep Discharge Protection
- Remote fault signalling
- Full rated current to load plus additional current for battery charging
- LED indication:
 - Mains status
 - Output fault
 - Battery fault
 - Charger fault
- Volt-free fault output - EPS:
 - Mains fail
- Volt-free fault output - PSU fault:
 - Battery fault
 - Charger fault
 - Loss of output
- Mains transient protection
- 10A version can charge up to 2 x 65Ah batteries housed in a separate enclosure (*BATT-BOX-65*)
- Screen printing available
- 3 Year warranty



STX2405-C

Part Numbers

| P/N | Rating (A) | Max Battery Size |
|-----------|------------|------------------|
| STX2401-T | 1A | 2 x 12V 1.2Ah |
| STX2401-C | 1A | 2 x 12V 7Ah |
| STX2402-C | 2A | 2 x 12V 7Ah |
| STX2402-E | 2A | 2 x 12V 17Ah |
| STX2405-C | 5A | 2 x 12V 7Ah |
| STX2405-E | 5A | 2 x 12V 17Ah |
| STX2410-E | 10A | 2 x 12V 17Ah |
| STX2410-H | 10A | 2 x 12V 38Ah |

| | | |
|----------------------------|-----|--------------|
| STX2410-E + BATT-BOX-65 | 10A | 2 x 12V 65Ah |
|----------------------------|-----|--------------|

Technical Information

| | |
|-----------------------|-------------------------|
| Mains input | 93–264V ac |
| Output | 27.6V dc |
| Maximum current | See above table |
| Operating temperature | -10°C to 40°C at 95% RH |

Product Dimensions (mm)

| | |
|-------------|--------------------|
| T Models | 300H x 240W x 60D |
| C Models | 275H x 330W x 80D |
| E Models | 420H x 400W x 80D |
| H Models | 420H x 420W x 180D |
| BATT-BOX-65 | 534H x 465W x 268D |

Approvals

Certified by UL (EN54-4:1997 +A1: 2002 +A2: 2006)
CE Mark RoHS Compliant

