



24V DC STX RANGE

EN54-4 Power Supplies for Fire Systems

- 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
- 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)
- Lifetime warranty



DESCRIPTION

The 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 and battery monitoring with independent voltfree 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.

TECHNICAL SPECIFICATIONS

| | |
|-----------------------|-------------------------|
| Output | 27.6 V dc |
| Mains Input | 93 - 264 V ac |
| Operating Temperature | -10°C to 49°C at 95% RH |
| LED Indication | Mains status & faults |



APPROVALS

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



ORDERING INFORMATION

T ENCLOSURE



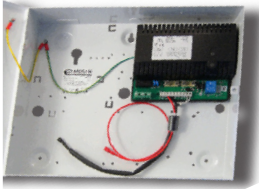
PART NO

STX2401-T

DESCRIPTION

27.6V dc, 1A
300H x 240W x 60D (mm), 2.0kg
Max battery 2 x 12V 1.2Ah

C ENCLOSURE



PART NO

STX2401-C

DESCRIPTION

27.6Vdc, 1A
275H x 330W x 80D (mm)
Max battery 2 x 12V 7Ah

PART NO

STX2402-C

DESCRIPTION

27.6Vdc, 2A
275H x 330W x 80D (mm)
Max battery 2 x 12V 7Ah

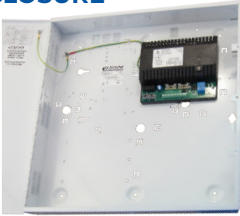
PART NO

STX2405-C

DESCRIPTION

27.6Vdc, 5A
275H x 330W x 80D (mm)
Max battery 2 x 12V 7Ah

E ENCLOSURE



PART NO

STX2402-E

DESCRIPTION

27.6Vdc, 2A
420H x 400W x 80D (mm)
Max battery 2 x 12V 17Ah

PART NO

STX2405-E

DESCRIPTION

27.6Vdc, 5A
420H x 400W x 80D (mm)
Max battery 2 x 12V 17Ah

PART NO

STX2410-E

DESCRIPTION

27.6Vdc, 10A
420H x 400W x 80D (mm)
Max battery 2 x 12V 17Ah

BATT-BOX-65



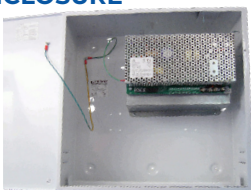
PART NO

STX2410-E + BATT-BOX-65

DESCRIPTION

27.6Vdc, 7.2A
BATT-BOX-65
534H x 465W x 268D (mm)
Max battery 2 x 12V 65Ah

H ENCLOSURE



PART NO

STX2410-H

DESCRIPTION

27.6Vdc, 8A
420H x 420W x 180D (mm)
Max battery 2 x 12V 38Ah