

TECHNICAL DATASHEET

24 V STX SERIES POWER SUPPLIES



The new 24 V STX range of switch mode power supplies has been specifically designed for EN54 compliant fire systems.

Available in either 1, 2, 5, 8 & 10 Amp versions they are certified by UL to EN54-4: 1997, A1: 2002 & A2:2006.

The units include intelligent battery charging using EcoCharge Technology, possess mains and 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).

APPROVALS



FEATURES

- 27.6 V dc output
- Cost effective switch mode technology
- Energy efficient:
 - Up to 88.5% efficiency
 - More efficient in operation
 - Power saving
 - Longer field life
 - Less prone to failure
- Intelligent battery charging and monitoring with EcoCharge Technology
- Remote fault signalling
- Full rated current to load plus additional current for battery charging
- Deep discharge protection
- LED Indication:
 - Mains status
 - Output or battery fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Volt-free fault output - EPS:
 - Mains fail
- Volt-free fault output - PSU fault:
 - Battery fault
 - Charger fault
 - Loss of output
- Mains Transient protection
- 10 Amp version can charge up to 2 x 65 Ah batteries housed in a separate enclosure (VPSU-BB)
- Three year warranty



PART NUMBERS

Part No:	Description	Amp Rating	Battery Size	Size (mm) H X W D
STX2401-C	EN54-4 27.6V dc 1.5A (1.2A to load + 0.3A battery charge)	1.0	2 x 7 Ah	275 x 330 x 80
STX2401-T	EN54-4 27.6V dc 1.5A (1.2A to load + 0.3A battery charge)		2 x 1.2 Ah	300 x 240 x 60
STX2402-C	EN54-4 27.6V dc 2.5A (2A to load + 0.5A battery charge)	2.0	2 x 7 Ah	275 x 330 x 80
STX2402-E	EN54-4 27.6V dc 2.5A (1.8A to load + 0.7A battery charge)		2 x 17 Ah	420 x 400 x 80
STX2405-C	EN54-4 27.6V dc 5.8A (5A to load + 0.8A battery charge)	5.0	2 x 7 Ah	275 x 330 x 80
STX2405-E	EN54-4 27.6V dc 5.8A (5A to load + 0.8A battery charge)		2 x 17 Ah	420 x 400 x 80
STX2410-H	EN54-4 27.6V dc 9.6A (8A to load + 1.6A battery charge)	8.0	2 x 38 Ah	420 x 420 x 180
STX2410-E	EN54-4 27.6V dc 10.7A (10A to load + 0.7A battery charge)	10.0	2 x 17 Ah	420 x 400 x 80
VPSU-BB	Floor standing Battery Box for 2 x 65Ah batteries	7.2	N/A	534 x 465 x 268

SPECIFICATION

Mains Input	93-264 A ac
Output	27.6 V dc
Maximum Current	See table above
Operating Temperature	-10° to 40° at 95% RH

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We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.

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Quality System Certificate No. 456
Assessed to ISO 9001