

## Product Data Sheet: Intelligent Switch Mode Power Supply Units - EN54-4 Approved

### Description

The STE range of Power Supplies are fully featured EN54-4:1997+A2:2006 VdS approved and have been specifically designed for Fire System Installations and associated applications.

They incorporate switch mode technology for voltage regulation which provides greater efficiency by greatly reducing wasted heat energy. Its regulated 27.6Vdc output will supply up to 5A continuous into the load, in addition to providing up to 1.6A for charging the standby batteries.

They feature intelligent battery management and Volt free fault outputs for remote signalling and full diagnostic LED display. They give a higher level of security than our 300 series with additional features and the benefit of the product approval.

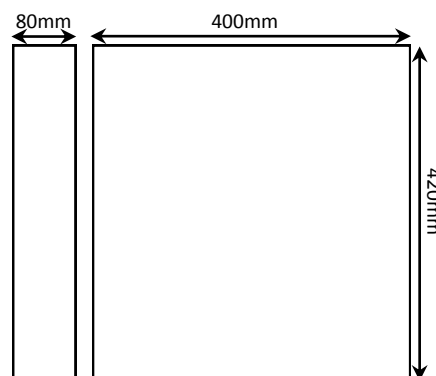
All units carry the CE mark and conform to EN60950-1:2006, EN50130-4:1995 and EN55022:2006.

In addition the remote battery box for housing backup batteries up to 2.5 metres from a 'Power Supply Unit' is available. It will accept the following batteries, 2 x 12V 24Ah to 2 x 12V 38Ah maximum (e.g. Yuasa NP24-12 or NP38-12), with a maximum weight of 35.2kg (including 2 x 38Ah batteries). When using the remote battery box option, the connection lead kit (BAT-LD-T-24-300) must be used, (supplied separately). The lead kit includes sleeved protection positive and negative leads and a thermistor connection for monitoring the battery temperature.

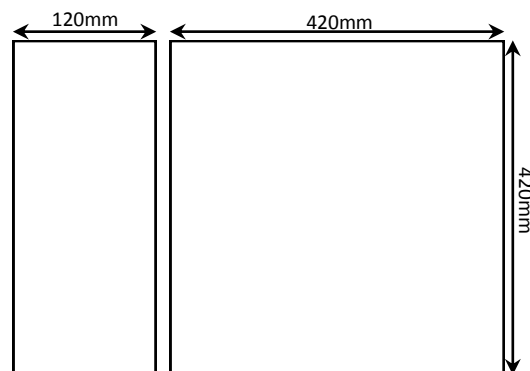
The STE range of Power Supplies and Remote Battery Box are supplied within a sturdy 1.2mm powder coated steel enclosure with a hinged lid finished in white and have been designed for rapid installation.



### Dimensions



POWER SUPPLY UNIT



REMOTE BATTERY BOX

### Technical Information

Part No.	2402STE	2405TE
Supply Voltage:	110Vac to 230Vac @ 50Hz	
Load Output @ 27.6Vdc:	2.0A	5.0A
Load Voltage Regulation:	0.9%	
Max Output Ripple:	100mV	
Battery Recharge Time:	80% Capacity - 24 hours	
Temp Range:	- 10°C to 40°C	
Relative Humidity:	Up to 75%	
Output Fuse Rating:	F1.25A	F2.00A
Weight:	6200g excluding batteries	
Max Battery Capacity for PSU:	Up to 2x17Ah - not supplied	
Max battery capacity for remote box's up to - 2 x 38Ah not supplied		

### Connection

O/P + and -	Voltage output to load
PSU Fault	Solid State Relay output contacts
EPS fault	Solid State Relay output contacts
Temp sensor	Connection to battery temperature sensor
BATT + and -	Connections to standby batteries
FAN + and -	No Connection

**NOTE: THIS PRODUCT MUST BE EARTHED.**

Connect load to LOAD terminals.

Connect sealed lead acid batteries to BATT terminals observing correct polarity.

This unit must be used with dc appliances only.