

# Identifire Series - EN 54-4 Power Supplies & Chargers

The Identifire series of EN 54-4 Approved switched-mode power supplies has intelligent on-demand load sharing capability to provide exceptional flexibility. This allows rapid large capacity battery charging with either extended standby hold-up duration at light loads, or short high current peak loads where spare output capacity is diverted to battery charging. Regarding Vimpex EN54 1,3 and 5 amp PSU's, for the relay to operate the PSU must have a minimum of 200mA of load for it to be able to switch off the load.

## Features

- Designed for use in fire alarm systems complying with EN 54-2 & EN 54-4
- 1.5A, 3A and 5A versions with 2 x steel housing options
- Intelligent On Demand Battery Charging
- 2 Steel Housings Housing up to 17.0Ah Batteries
- On Board and Optional Remote Battery Temperature Sensor
- Supplies a nominal 27V with 2 x 12V lead acid batteries providing full standby operation
- 2 Independently controlled outputs as standard to comply with EN 54-4 & BS5839-1:2013 requirements
- Battery Free Operation Option (Non EN 54-4 Compliant)



## Approvals

EN 54-4 1997+A1:2002+A2:2006



## Spares & Options

PSU0014: Remote Battery Sensor

## Specification

Part No.	PSU0010	PSU0011	PSU0012	PSU0013
Total Continuous Output Current (Imax)	1.50A	3.0A	3.0A	5.0A
Maximum Input Continuous Current	0.45A	0.9A	0.9A	1.5A
Recommended Switched Spur Input Fuses (250 Vac)	T1A	T3.15A	T3.15A	T3.15A
Battery Charging Current, on demand maximum	1.50A	3.0A	3.0A	5.0A
On-Board AC Power Input Fuses - Timed, non-replaceable	T1A	T3.15A	T3.15A	T3.15A
Dimensions (W x H x D) mm, including lid	330 x 294 x 85	330 x 294 x 85	395 x 379 x 90	395 x 379 x 90
Maximum Battery Size 12 Vdc	7.0Ah	7.0Ah	17.0Ah	17.0Ah
AC Input Voltage	230VAC ± 10%, 50Hz			
Voltage Output AC Present	Minimum 26Vdc, Maximum 28.5Vdc			
Voltage Output Standby	Minimum 19.5Vdc, 24 V Nominal			
Low Voltage detection thresholds	<22V ±2%, low voltage restore, >23V ±2%			
Deep Discharge Disconnection Threshold	<20V ±2%.			
Overvoltage Detection Shutdown Threshold	>30V ±2%.			
Output Monitoring Threshold	Battery charging voltage <2V ±2%.			
Battery Fuse	6A PTC, non-replaceable			
Fault Relays	NC 100mA at 60V, on-resistance 16Ω max, 1500VRMS Isolation			
PSU Standby Current	32mA			
Maximum Ripple Voltage	0.7V peak to peak.			
Operating Temperature and Humidity Range	-10°C to +40°C, 95% maximum humidity, non-condensing			
Minimum Output Current (Imin)	200mA			

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