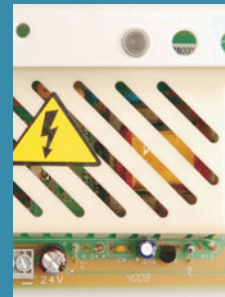


VIMPEX

Power Supply Units



DC Power

Fire Alarm

Door Holders

Intruder

EN54-4

Fire & Security

Battery Chargers

CCTV Cameras

Switched Mode

VPSU Series

VPSU 12 & VPSU 24 Series

Type A, Ungraded, Environmental Class 2

The Vimpex VPSU 12 and VPSU 24 series of PSUs are switched mode power supplies ideal for general use, door holders and CCTV cameras.

Features

- 1.0 A, 2.0 A, 3.0 A & 5.0 A versions (5.0 A available as a 12 Vdc model)
- 12 Vdc or 24 Vdc versions
- Up to 7.0 Ah capacity (when supplied in 'B' style box)
- Highly efficient power conversion - better than 85%
- Constant current battery charging (B/I models)
- Tamper switch output
- Self resetting electronic fuse



VPSU-24VFO Series

Type A, Ungraded, Environmental Class 2

The Vimpex VPSU-24VFO series of power supplies are switched mode power supplies with three normally closed volt-free outputs for signalling status and serviceability of the units.

The switched output is designed for highly inductive loads such as access control door strikes and locks and is protected to control high voltage back-EMF spikes.

Features

- 1.0 A, 3.0 A and 5.0 A versions
- Battery charging up to 17.0 Ah capacity
- PSU fault volt-free output and LED display
- Battery fault volt-free output and LED display
- AC power status volt-free output and LED display
- On/Off power switching control input with pull-up, compatible with voltage-free contacts
- Jumper for selecting inverted or normal power switching operation
- Status LED display indicating normal/standby operation and On/Off switching status
- Power supply internal fault monitoring
- Over-voltage output protection
- Inductive and capacitive load switching surge protection and snubbing
- Intelligent electronic fuse output protection with automatic reset
- Highly efficient power conversion - better than 85%
- Constant current battery charging

K25000 Series

EN54-4 Approved PSU and Chargers

Fully certified to EN54-4 power supplies provide a stable and fully regulated, true 24 Vdc output for fire alarm system applications under all power conditions.

The unique regulation techniques ensure that even when running on standby batteries, a stable 24 Vdc supply is available to all parts of the system ensuring that all 24 Vdc powered devices connected are supplied with optimum power.

The powerful onboard micro controller ensures that all battery types are conditioned with optimum, temperature compensated charging algorithms to maximise battery life and maintain batteries in top condition.

Optional dual output path (KD) variant available, to provide two independent supply paths between the power supply unit and the control panel in accordance with EN54-4 clause 6.4 and BS5839 pt I, clause 12.2.2.m requirements.

Vimpex EN54-4 compliant power supplies can be fitted with an optional dual fused output monitoring module to ensure compliance with European standards when supplying fire control panels with an external power supply.



Features

- 2.5 A and 5.25 A versions
- Enclosure provides space for batteries
- 110 Vac or 230 Vac input
- Regulated, true 24 Vdc output
- Intelligent battery charging and temperature compensation
- House up to 17.2 Ah batteries
- Status indicators for monitored faults
- Dual output option for powering fire alarm control panels remotely
- Fully enclosed and robust construction

Specification

VPSU Series

Part No.	VPSU 12 Series (for intruder and access control)	Max. Battery Size	Size (mm) W x H x D
VPSU-12-01A	12 Vdc, 1 amp	n/a	170 x 235 x 85
VPSU-12-02A	12 Vdc, 2 amp	n/a	170 x 235 x 85
VPSU-12-03A	12 Vdc, 3 amp	n/a	170 x 235 x 85
VPSU-12-05A	12 Vdc, 5 amp	n/a	170 x 235 x 85
	VPSU 24 Series (for door holders, CCTV and general use)		
VPSU-24-01A	24 Vdc, 1 amp	n/a	170 x 235 x 85
VPSU-24-02A	24 Vdc, 2 amp	n/a	170 x 235 x 85
VPSU-24-03A	24 Vdc, 3 amp	n/a	170 x 235 x 85
VPSU-24-02B/I	24 Vdc, 2 amp with battery charging	7.0 Ah	320 x 260 x 87
VPSU-24-03B/I	24 Vdc, 3 amp with battery charging	7.0 Ah	320 x 260 x 87
	VPSU 24VFO Series (with volt free outputs)		
VPSU-24-01B/4	24 Vdc, 1 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-03B/4	24 Vdc, 3 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-05B/4	24 Vdc, 5 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-01C/4	24 Vdc, 1 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87
VPSU-24-03C/4	24 Vdc, 3 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87
VPSU-24-05C/4	24 Vdc, 5 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87

K25000 Series - EN54-4 Approved

Part No.	PSU	Max. Battery Size	Size (mm) W x H x D
K25250M2	2.5 amp in M2 Enclosure	7.0 Ah	365 x 310 x 90
K25400M2	5.25 amp in M2 Enclosure	7.0 Ah	365 x 310 x 90
K25250M3	2.5 amp in M3 Enclosure	12.0 Ah	385 x 520 x 110
K25400M3	5.25 amp in M3 Enclosure	17.2 Ah	385 x 520 x 110
KD25250M3	2.5 amp in M3 Enclosure - with Dual Output Board	12.0 Ah	385 x 520 x 110
KD25400M3	5.25 amp in M3 Enclosure - with Dual Output Board	17.2 Ah	385 x 520 x 110

Vimpex Limited

Star Lane, Great Wakering
Essex SS3 0PJ England
Tel: +44 (0) 1702 216999
Fax: +44 (0) 1702 216699
E-mail: sales@vimpex.co.uk

www.vimpex.co.uk

DS/PSU/ISS 2



VIMPEX
Shaping Alarm Technology