

VPSU Series - General Purpose Power Supplies

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 battery capacity on most models
- Highly efficient power conversion - better than 85%
- Constant current battery charging available on most 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

Specification

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	7.0 Ah	170 x 235 x 85
VPSU-12-02A	12 Vdc, 2 amp	7.0 Ah	170 x 235 x 85
VPSU-12-03A	12 Vdc, 3 amp	7.0 Ah	170 x 235 x 85
VPSU-12-05A	12 Vdc, 5 amp	7.0 Ah	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

Standards

Complies with the following standards:

Low Voltage: EN 60950-1:2001

Emission: EN61000-6-3:2001

Immunity: EN 50130-4:1995/A2:2003

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