

# VPSU SERIES

## GENERAL PURPOSE POWER SUPPLIES

### VPSU 24 SERIES

TYPE A, UNGRADED, ENVIRONMENTAL CLASS 2

The VimpeX 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 versions available
- 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
- Self resetting electronic fuse



#### SPECIFICATION

<b>VPSU 24 Series</b> (for door holders, CCTV and general use)		<b>Max.</b> Battery Size	<b>Size (mm)</b> W x H x D
VPSU-24-01A	24 V dc, 1 amp	No battery standby	170 x 235 x 85
VPSU-24-02A	24 V dc, 2 amp	No battery standby	170 x 235 x 85
VPSU-24-03A	24 V dc, 3 amp	No battery standby	170 x 235 x 85
VPSU-24-02B/1	24 V dc, 2 amp with battery charging	7.0 Ah	320 x 260 x 87
VPSU-24-03B/1	24 V dc, 3 amp with battery charging	7.0 Ah	320 x 260 x 87
<b>VPSU 24VFO Series</b> (with volt free outputs)		<b>Max.</b> Battery Size	<b>Size (mm)</b> W x H x D
VPSU-24-01B/4	24 V dc, 1 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-03B/4	24 V dc, 3 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-05B/4	24 V dc, 5 amp with battery charging and relay outputs	7.0 Ah	320 x 260 x 87
VPSU-24-01C/4	24 V dc, 1 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87
VPSU-24-03C/4	24 V dc, 3 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87
VPSU-24-05C/4	24 V dc, 5 amp with battery charging and relay outputs	17.0 Ah	420 x 400 x 87

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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

### VPSU-24VFO Series

TYPE A, UNGRADED, ENVIRONMENTAL CLASS 2

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

The switched output can support demanding applications such as Access Control and Fire Door hold-open units.

#### 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