

TECHNICAL DATASHEET

24 V EB SERIES POWER SUPPLIES



The new 24 V EB range of switch mode power supplies has been specifically designed for EN54 compliant fire systems.

Available in either 1, 2, 5, 8 & 10 Amp versions they are certified by UL to EN54-4: 1997, A1: 2002 & A2:2006.

The units include intelligent battery charging using EcoCharge Technology, possess mains and battery monitoring with independent volt-free outputs and also feature battery deep discharge protection in the event of a prolonged mains failure.

The inclusion of LED indicators provides quick diagnostics of the status of the power supply, while a variety of enclosures offer the installer a choice of standby battery backup options (see table).

APPROVALS



FEATURES

- 27.6 V dc output
- Cost effective switch mode technology
- Energy efficient:
 - Up to 88.5% efficiency
 - More efficient in operation
 - Power saving
 - Longer field life
 - Less prone to failure
- Intelligent battery charging and monitoring with EcoCharge Technology
- Remote fault signalling
- Full rated current to load plus additional current for battery charging
- Deep discharge protection
- LED Indication:
 - Mains status
 - Output or battery fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Volt-free fault output - EPS:
 - Mains fail
- Volt-free fault output - PSU fault:
 - Battery fault
 - Charger fault
 - Loss of output
- Mains Transient protection
- 10 Amp version can charge up to 2 x 65 Ah batteries housed in a separate enclosure (VPSU-BB)
- Three year warranty



PART NUMBERS

Part No:	Description	Amp Rating	Battery Size	Size (mm) H X W D
VPSU-24-01-EB-C	EN54-4 27.6V dc 1.5A (1.2A to load + 0.3A battery charge)	1.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-01-EB-T	EN54-4 27.6V dc 1.5A (1.2A to load + 0.3A battery charge)		2 x 1.2 Ah	300 x 240 x 60
VPSU-24-02-EB-C	EN54-4 27.6V dc 2.5A (2A to load + 0.5A battery charge)	2.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-02-EB-E	EN54-4 27.6V dc 2.5A (1.8A to load + 0.7A battery charge)		2 x 17 Ah	420 x 400 x 80
VPSU-24-05-EB-C	EN54-4 27.6V dc 5.8A (5A to load + 0.8A battery charge)	5.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-05-EB-E	EN54-4 27.6V dc 5.8A (5A to load + 0.8A battery charge)		2 x 17 Ah	420 x 400 x 80
VPSU-24-09-EB-H	EN54-4 27.6V dc 9.6A (8A to load + 1.6A battery charge)	8.0	2 x 38 Ah	420 x 420 x 180
VPSU-24-10-EB-H	EN54-4 27.6V dc 10.7A (10A to load + 0.7A battery charge)	10.0	2 x 17 Ah	420 x 400 x 80
VPSU-BB	Floor standing Battery Box for 2 x 65Ah batteries	7.2	N/A	534 x 465 x 268

SPECIFICATION

Mains Input	93-264 A ac
Output	27.6 V dc
Maximum Current	See table above
Operating Temperature	-10° to 40° at 95% RH

THE GENESIS NP BATTERY RANGE



Vimpex supplies the world leading Genesis NP Series battery range. Sizes available from 1.2 Ah to 38 Ah suitable for almost any fire, security or industrial application

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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