

TECHNICAL DATASHEET

24 V AB SERIES POWER SUPPLIES



The 24 V AB series of power supplies has been designed for access control, CCTV, fire systems (where compliance with EN54-4 is not required) and general purpose applications. The products use energy efficient switch mode technology and have a universal mains supply input (90 - 264 V ac).

The modular range consists of 1, 2, 3 & 5 Amp power variants with full rated current to load. They also feature a fully regulated output with low ripple and noise.

The products using switch mode technology are typically up to 87.5% efficient. This can save customers money by reducing energy bills and carbon footprint. Switch mode technology provides for lower power consumption, cool running and energy efficiency products that can result in improved long term reliability.

APPROVALS



FEATURES

- 27.6 V dc output
- Cost effective switch mode technology
- Energy efficient - reducing energy bills
- Mains and battery monitoring
- Volt-free fault outputs
- Modular construction means easy maintenance and upgrading
- Full rated current to load +0.8 Amp battery charging
- 90 - 264 V ac range
- Deep discharge protection
- Electronic overload protection
- Mains transient protection
- LED Indication:
 - Mains status
 - Output or battery fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Three year warranty



PART NUMBERS

Part No:	Description	Amp Rating	Battery Size	Size (mm) H X W X D
VPSU-24-01-AB-C	Monitored 27.6V dc 1.5A (1A to load + 0.5A battery charge)	1.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-01-AB-R	Monitored 27.6V dc 1.5A (1A to load + 0.5A battery charge)		2 x 17 Ah	410 x 390 x 90
VPSU-24-02-AB-C	Monitored 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-AB-R	Monitored 27.6V dc 2.5A (2A to load + 0.5A battery charge)		2 x 17 Ah	410 x 390 x 90
VPSU-24-03-AB-C	Monitored 27.6V dc 3.5A (3A to load + 0.5A battery charge)	3.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-03-AB-R	Monitored 27.6V dc 3.5A (3A to load + 0.5A battery charge)		2 x 17 Ah	410 x 390 x 90
VPSU-24-05-AB-C	Monitored 27.6V dc 5.5A (5A to load + 0.5A battery charge)	5.0	2 x 7 Ah	275 x 330 x 80
VPSU-24-05-AB-R	Monitored 27.6V dc 5.5A (5A to load + 0.5A battery charge)		2 x 17 Ah	410 x 390 x 90

SPECIFICATION

Mains Input	90 - 264 V ac at 50 - 60 Hz
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