

VESDA® Power Supplies



The three power supplies available to compliment the VESDA detection range is provided primarily for the European and Middle East markets.

These units have been developed to enhance the appearance of a VESDA installation by utilising custom designed enclosures allowing the unit to blend in with the surrounding VESDA detectors.

Variations

2amp LaserPLUS/LaserSCANNER

This is the premier unit within the range. Designed with the same foot print, colour and layout as the LaserPLUS and LaserSCANNER, the power supply will visually blend with the detectors.

Internally is an EN54-4 compatible Power Supply, battery space is available for 7, 12 or 14 amp/hr battery back up dependant on the load and back up time required.

With regard to installation, cable entry knockouts all line up with the LaserPLUS and LaserSCANNER enclosure allowing positioning of the power supply directly adjacent to the detector.

The front cover supports 2 LED's giving a quick visual indication of OK or fault condition.

1.5amp LaserCOMPACT

This is the budget unit within the range. It is intended as a low cost unit to supply one LaserCOMPACT detector. A simple but elegant construction and no LED's on the lid keep the cost of the unit to a minimum.

This unit is still engineered to compliment the product with cable entry knockouts lining up with the knockouts in the LaserCOMPACT.

The internal charger is EN54-4 compatible and incorporates board mounted OK and Fault LED's. Space is available for 7 amp/hr battery back up.

5amp Multiple Modules

This power supply is designed for VESDA subracks or multiple detector installations. With a 5 amp EN54-4 charger, space internally for up to 38amp/hr batteries and 4 separate fused outputs, this is a very versatile unit.

The front cover supports 2 LED's to provide visual indication of Healthy status or fault condition.




Various knockouts exist to provide convenient cabling access to subracks or detectors.

Features

- EN54-4 Compatible
- Available in three types: VLP 2A, VLC 1.5A, Multiple 5A
- Temperature compensated charging to maximise battery life
- Designed to blend in with VESDA detectors
- Knockouts designed to line up with VESDA units
- Multiple battery back up configurations
- LED indication on 2A and 5A units
- Relay outputs for connection to the VESDA general-purpose input.
- 230 to 110 VAC field selectable option

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Specifications

Type	2A LaserPLUS & LaserSCANNER	1.5A LaserCOMPACT	5A Multiple Modules
			
Input	230 VAC (+10%—15%) factory default setting 110 VAC (+10%—15%) field selectable option		230 VAC (+10%—15%) factory default setting; 110 VAC (+10%—15%) auto configuring
Power Output	18-29 VDC 1.9 Amps continuous 2 Amps at 25°C	18-29 VDC 1.5 Amps continuous	18-29 VDC 5.0 Amps continuous
Load	18-29 VDC 0.5 Amps continuous 1.9A Short Duration (ref EN54-4)	18-29 VDC 0.5 Amps continuous 1.5A Short Duration (ref EN54-4)	18-29 VDC 1.2 Amps continuous 5A Short Duration (ref EN54-4)
Dimensions (H x W x D)	225 x 350 x 105.2	225 x 285 x 115.2	351 x 451 x 185
Weight	3.6 kg (without batteries) 14.2 kg (with max. batteries)	2.95 kg (without batteries) 8.25 kg (with batteries)	7 kg (without batteries) 34.86 kg (with max. batteries)
Temperature	-5° to 40°C ambient		
Humidity	10—95% RH non-condensing		
IP Rating	IP 30		
Batteries (not supplied by Xtralis)	Either: 2 x 12V, 7Ah or: 2 x 12V, 12 Ah or: 4 x 12V, 7 Ah	2 x 12V, 7Ah	Either: 2 x 12V, 24 Ah or: 2 x 12V, 38 Ah
Indications	OK: green LED Fault: yellow LED Internal and External	OK: green LED Fault: yellow LED Internal only	OK: green LED Fault: yellow LED Internal and External
Fault Relay	Change-over NO-COM-NC 2A @ 30 VDC		
Fuse Rating	Input: 3.15A Non Serviceable Battery fuse: 3.15A Current limiting: >2A		Input: 3.15A Non Serviceable Output: 4 x 2A Slow Blow 1 x 10A Battery fuse
Cable Entries	5 off 25mm knockouts Various positions to match LaserPLUS	4 off 25mm knockouts Various positions to match LaserCOMPACT	7 off 20mm knockouts Various positions to match
Finish	Powder Coat Semi-Gloss		Powder Coat Semi-Textured
Colour	Light Grey - RAL 9018		Light Grey - RAL 7035
Mounting	4 x 5.5mm holes on 318 x 175 centres	4 x 5.5mm holes on 243 x 175 centres	4 x 5.5mm holes on 418 x 300 centres
Part Number	VPS-220	VPS-215	VPS-250

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Doc. no. 13955_01

