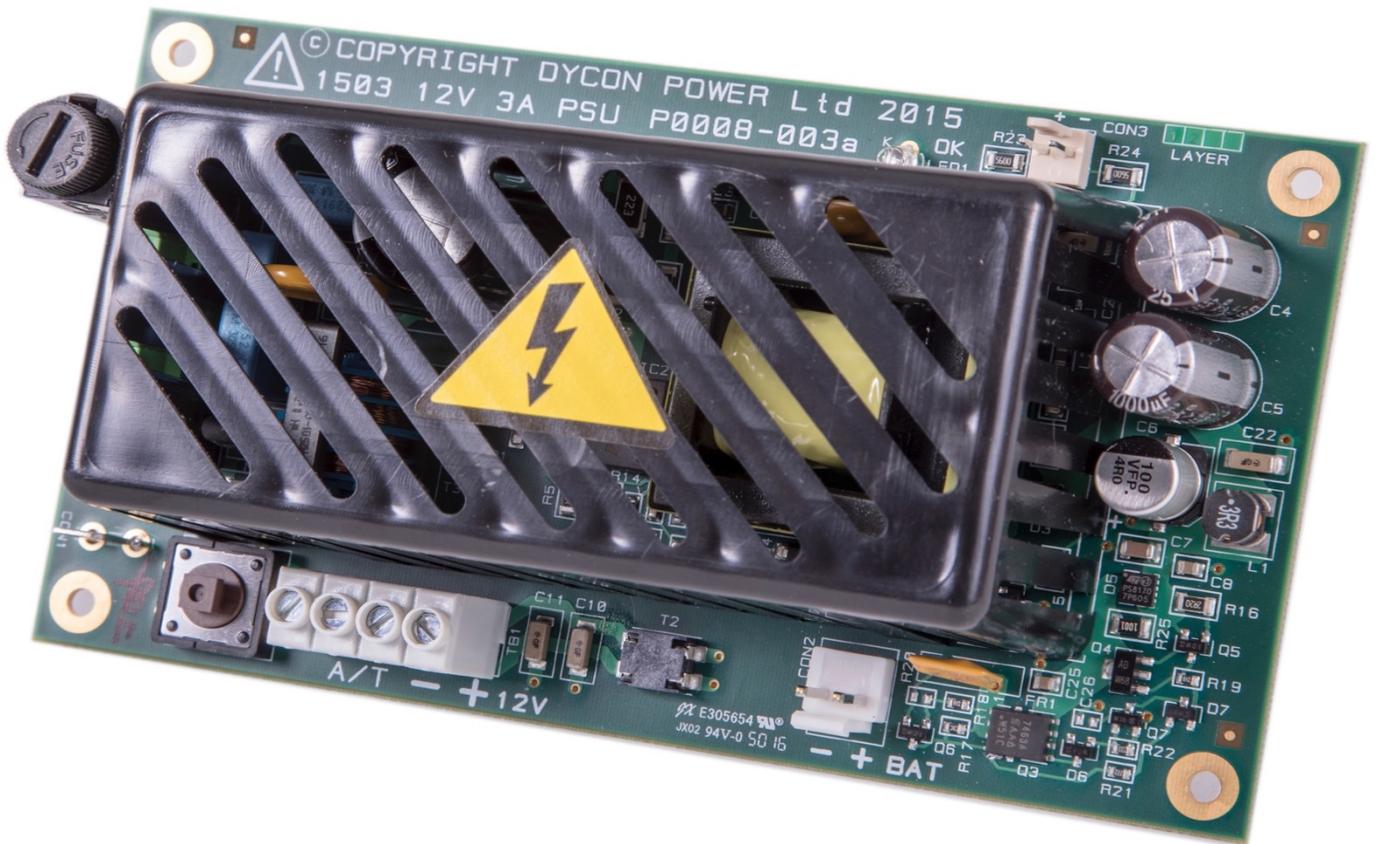


D1503SM

Switched Mode Power Supply with very low EMC emissions

Designed and
manufactured
in the UK



Designed for use in applications where extremely low EMC emissions are important, the D1503SM is ideal for use in plastic housings as it needs no metal shielding can. Furthermore, its low profile enables it to be fitted inside much existing control equipment. The D1503SM features a 250mA constant-current batter charging circuit to ensure that any back-up batteries are maintained at an optimum level and are less stressed than conventional charging methods. Intelligent electronic fuse output protection with automatic reset helps reduce system downtime



DYCON
power solutions
www.dyconpower.com

D1503SM

Specialist 12VDC 3A Switched-Mode Power Solutions for use in systems where extremely low-EMC emissions are paramount

Dycon D1503SM is a 3A switched mode power supply which uses Dycon's unique XLo™ technology to effectively dissipate most extraneous RF signals, dramatically reducing EMC emissions whilst still delivering a full 3A output @>85% efficiency

The Dycon's XLo™ technology is invaluable to developers and manufacturers who need to ensure that EMC emissions from power supplies do not themselves interfere with the operation of their own products and yet still be flat enough to be successfully incorporated into most stylish new plastic housings.

Dycon D1503SM power supply features: -

- 12Vdc 3Amps power @>85% efficiency with 250mA constant current battery charging
- Will charge a 7Ah lead-acid battery in less than 30 hours
- Tested to EN55022 Class B and tested and passed for transients including 1KV fast transients and 2KV slow high energy transients, designed to see if the PCB breaks down under severe stress conditions
- Does not require any expensive metal shielding and can be used as it is
- Is significantly flatter and, as it has no bulky transformers or metal screen around it, can be easily incorporated into other electronic devices.
- Now that a combined unit does not need to be contained in a metal housing, it can be fitted into much smaller, flatter, customised plastic boxes.
- This can also reduce the amount of interconnecting cabling, often another source of EMC interference.
- Dycon Power Solutions Limited offer a full design and help service for developers wishing to incorporate this XLo™ technology into their products, please use the email address or telephone numbers below to contact the Development Team who will assist them.

Part Number	Description	PCB only	PCB size <i>H x W x D (mm)</i>	PCB Weight
D1503SM-P	12Vdc 3 Amp PSU with 250mA constant- current battery charging	D1503SM-P	130 x 73 x 41	0.19 Kg

Dycon Power Solutions Ltd

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For more information about the Dycon range of power products:

www.dyconpower.com

Or to discuss your specific needs:

+44 (0)1443 471 900

Dycon leads the security and associated power supply markets, with UK design and manufacture of advanced power products; engineered to provide high quality, cost-effective solutions to meet current regulations and the specific needs of system integrators and end-users.

Designed and manufactured in the UK