

D1565SM



Constant-Voltage, 12Vdc 5A Switched-Mode, Power Supply



Dycon D1565SM is an advanced technology, 5Amp switched-mode power supply which, uniquely, can maintain a preset voltage of between 12Vdc and 15Vdc, even if the mains supply is interrupted and the unit is running on its batteries. Ideal for driving voltage-sensitive electronic equipment such as CCTV cameras, LED lighting systems and infra-red illuminators. The power supply requires two 12Vdc batteries to be installed and connected. The voltage is set by using the integral potentiometer and measuring the required voltage using a suitable meter, once set, this voltage will remain constant at the selected value until the low-battery shut-off point is reached. Dycon D15X8 and D15x4-BNC output splitters can be connected to a D1565SM's output, enabling a single unit to drive several different devices at the same time either through eight separate, fused wired connectors or via four, fused, loop-through BNC connectors with additional wired power feeds



DYCON
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D1565

5A 12Vdc, Constant-Voltage, Switched-Mode Power Solution

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230Vac +10% -15%; 50Hz ± 15%
Output Voltage (selectable)	12-15Vdc
Output Ripple	< 100mV peak-to-peak at full rated output
Maximum Output Current at Full Load	5A
Battery Charging Current and Voltage	300mA at 13.7Vdc float charge voltage
Battery Recharge Time (x 7Ah batteries)	< 72 hours
Battery Deep Discharge Voltage Limit	10Vdc ±3%
Output Protection	By self-resetting electronic fuse
Automatic Reset Time *	10ms to 18s (Depending on type and duration of the fault)
Operating Temperature Range	-10°C to +40°C
Humidity	95% non-condensing
PCB size (h x w x d)	120 x 92 x 38mm
Weights	PCB-0.19kg; 'A' box-2.0kg; 'B' Box-3.2; 'C' Box-4.5kg

Product Descriptions	'IP66' box (254 x 180 x 90mm) Max. 2 x 12Vdc 2.8Ah batteries	'B' box (260 x 320 x 90mm)	'C' box (345 x 430 x 90mm)
5 Amp, 12-15Vdc (with battery charging)	D1565-IP66	D1565-B	D1565-C
5 Amp, 12-15Vdc (with battery charging and 8-way output splitter)	Not Available	D1565-X8-B	D1565-X8-C
5 Amp, 12-15Vdc (with battery charging and 4-way BNC output splitter)	Not Available	D1565-4BNC-B	D1565-4BNC-C

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:

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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