

# D1565



**Constant-Voltage, 12VDC - 15VDC 5 Ampere Switched-Mode, Power Supply with battery charging**



Dycon's D1565 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. The D1565 is ideal for applications where long cable lengths cause voltage drops or where the minimum voltage level needs to exceed 12 volt, even when running on nearly depleted batteries. 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's D15X8 and D15X4-BNC output splitters can be connected to a D1565'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.

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## 5A 12VDC, Constant-Voltage, Switched-Mode Power Solution

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 (2 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

Part Number	Description	Size l x w x d	Weight
D1565-P	5A 12VDC A Box	235mm x 170mm x 85mm	0.19kg
D1565-B	5A 12VDC B Box	260mm x 320mm x 90mm	3.39kg
D1565-C	5A 12VDC C Box	345mm x 430mm x 90mm	4.69kg
D1565-E	5A 12VDC E Box	500mm x 405mm x 90mm	5.39kg
D1565-G	5A 12VDC G Box	456mm x 687mm x 116mm	9.09kg
D1565-W	5A 12VDC in IP65 weatherproof housing	240mm x 190mm x 90mm	1.45kg

A range of accessories and power splitters 4, 8 and BNC is available, see <http://www.dyconpower.com/product/accessories.php>

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### For more information about the Dycon products:

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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.

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