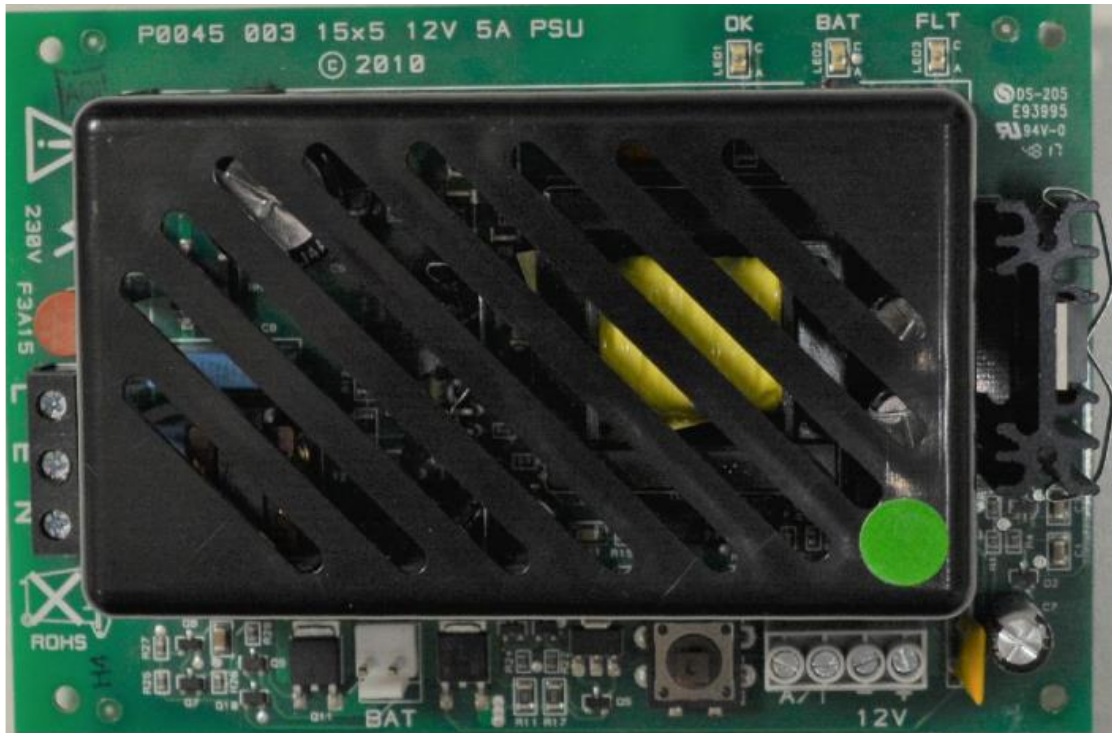


# D1545-P



## General Purpose, Multi-indicator, Switched-Mode, 12VDC 5A Power Supply Module



- Multi-indicator power supply
- Suitable for fitting in 3<sup>rd</sup> party enclosures
- Spring activated tamper on PCB
- Battery backup/300mA charging
- Optional 4- or 8-way fused splitter
- Battery deep-discharge cut-off protection

Dycon's D1545 unit is a 5 Amp switched-mode power supply module with three separate LED indicators that show the operational status of the unit. In addition to the full 5A output, it also provides an additional 300mA for battery charging. A green LED indicates that the Mains AC power is present, an orange LED indicates when the unit is operating on standby battery power and a red LED activates if the electronic fuse has been tripped. This power supply is protected against electrical 'spikes' caused by the switching of highly inductive loads (door strikes and locks). They remove the chance of inductive kickback blowing a fuse and causing a door to remain closed or open, a frequent cause of personnel delays and expensive engineer call outs. It also features intelligent and capacitive load switching surge protection and snubbing. Two output splitters are available, an 8-way, with individually glass-fused outputs and 4-way, with electronically-fused outputs, they enable a single power supply to drive a wide variety of different devices. A relay output module, ideal as a fire door control relay for access systems, can also be fitted.

# General Purpose 12VDC Power Solutions

## D1545-P 12VDC 5A Multi-Indicator, Switched-Mode Power Module

### Specifications

<b>Power Supply</b>	Type A, Ungraded, Environmental Class 2
<b>Voltage Input</b>	230VAC +10% -15%; 50Hz ± 15%
<b>AC Input Current</b>	600mA
<b>AC Input Fuse</b>	3A
<b>Output Voltage with AC Power</b>	Maximum 13.7VDC nominal
<b>Output Ripple</b>	25mV peak-to-peak at full rated output
<b>Maximum Output Current @ Full Load</b>	5A
<b>Battery Charging Current and Voltage</b>	300mA at 13.7VDC float charge voltage
<b>Maximum Over-Voltage Cut-Out</b>	14.4VDC ±3%
<b>Low Battery Fault</b>	11VDC ±3%
<b>Low-Voltage Power Output Fault</b>	12.3VDC ±3%
<b>Battery Deep Discharge Voltage Limit</b>	10VDC ±3%
<b>Automatic Reset Time</b>	10ms to 18s (Depending on type of duration of fault)
<b>LED Indicators</b>	GREEN - 230VAC is present ORANGE - Working on internal batteries as 230VAC is missing RED - No 12VDC output power, electronic output fuse tripped
<b>Operating Temperature</b>	-10°C to +40°C
<b>Humidity</b>	95% non-condensing
<b>Battery Lead Supplied</b>	T2 to 2-pin Molex, 300mm long, other versions & lengths optional

### Part numbers and suitable battery types

Part No.	Description	Suitable Batteries	Dimensions H x W x D (mm)	Weight including packaging
D1545-P	12VDC 5A power module	12VDC - 1.2, 2.1, 7 & 17Ah VRLA batteries	140 x 94 x 47	0.26kg

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#### 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.

D1545-P data sheet 23022024V4