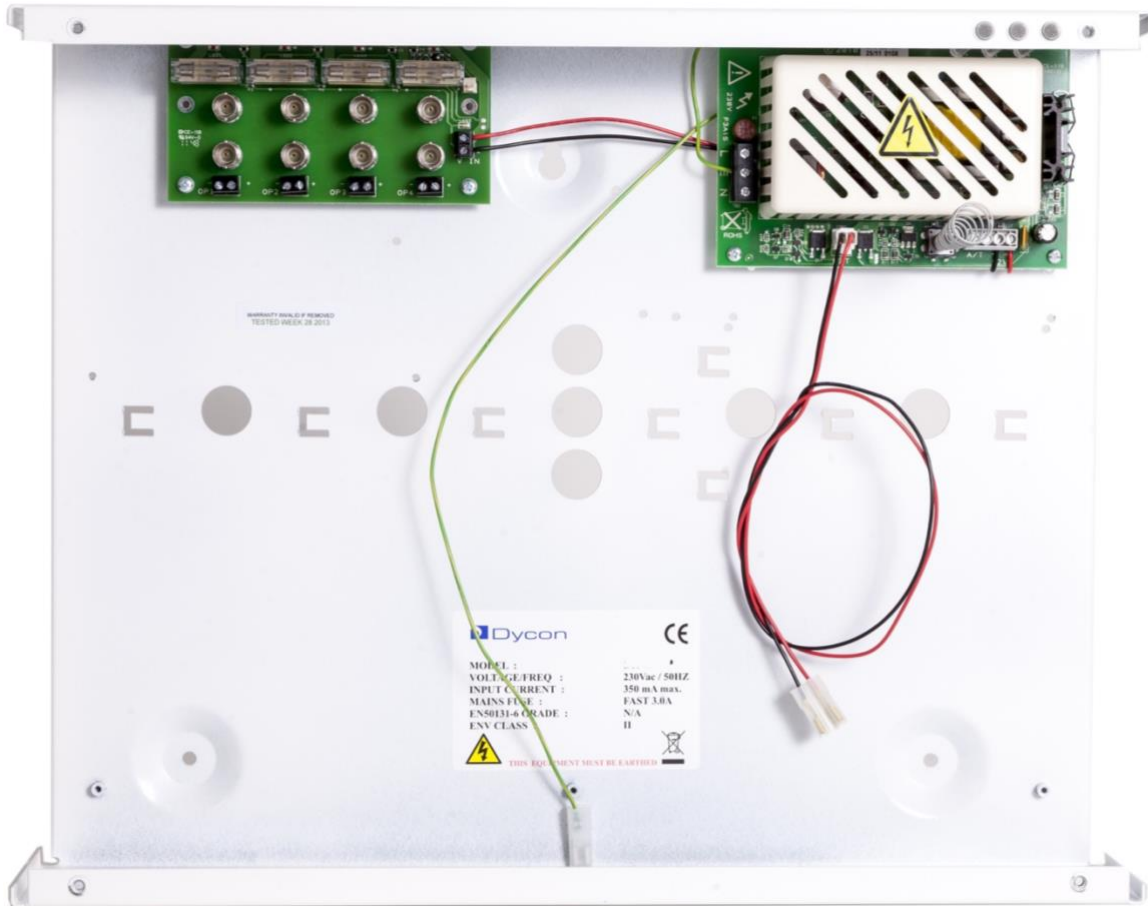


D1541, D1542, D1543



General Purpose, Multi-indicator, Switched-Mode, Power Supplies, 13.8VDC 1A, 2A & 3A output, with battery charging



The illustration shows a D1543C fitted with an optional D15X4-BNC video output power splitter

- Multi-indicator - 1, 2 & 3A power supplies
- Range of enclosures
- Spring activated tamper on PCB
- Battery deep discharge cut off protection
- Battery backup/charging
- Optional 4- or 8-way fused splitter
- Available as module only

Dycon's D1541, D1542 & D1543 are 1, 2, & 3Amp switched-mode power supplies, with three separate LED indicators that show the operational status of the unit. A green LED indicates that the Mains AC power is present, an orange LED lights when the unit is operating on standby battery power and a red LED lights if the electronic fuse has been tripped. These power supplies are 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. The range also features intelligent and capacitive load switching surge protection and snubbing. Optional output splitters enable a single power supply to drive a wide variety of different devices. These include 8-way splitters with individually-fused outputs, 4-way splitters with electronically-fused outputs or individually glass-fused outputs. Available is also a special unit that can power up to 4 cameras with loop-through connections for video signals, making it ideally suited for use in powering CCTV systems.



DYCON
power solutions

General Purpose 12VDC Power Solutions

12 VDC Multi-indicator, Switched-Mode Power Solutions

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230VAC +10% -15%; 50Hz ± 15%
AC Input Current	D1541-200mA; D1542-300mA; D1543-400mA;
AC Input Fuse	D1541-1A; D1542-2A; D1543-2A;
Output Voltage with AC Power	Maximum 13.7VDC nominal
Output Ripple	< 100mV peak-to-peak at full rated output
Maximum Output Current @ Full Load	D1541-1A; D1542-2A; D1543-3A;
Battery Charging Current and Voltage	300mA at 13.7VDC float charge voltage
Maximum Over-Voltage Cut-Out	14.4VDC ±3%
Low Battery Fault	11VDC ±3%
Low-Voltage Power Output Fault	12.3VDC ±3%
Battery Deep Discharge Voltage Limit	10VDC ±3%
Automatic Reset Time	10ms to 18s (Depending on type of duration of fault)
Operating Temperature Range	-10°C to +40°C
Humidity	95% non-condensing

1A versions D1541	2A versions D1542	3A versions D1543	Description	Suitable Batteries	Dimensions H x W x D (mm)	Weight
D1541-A	D1542-A	D1543-A	Steel, small-size A housing	1 x 7/8Ah	235 x 170 x 85	1.46kg
D1541-B *	D1542-B	D1543-B	Steel, medium-size B housing	2 x 7/8Ah or 1 x 17Ah	260 x 320 x 90	2.30kg
D1541-XB *	D1542-XB	D1543-XB	Steel, clam-shell lid, XB housing	2 x 7/8Ah or 2 x 17Ah	260 x 320 x 90	3.10kg
D1541-XLB *	D1542-XLB	D1543-XLB	Steel, standard-size XLB housing	2 x 7/8Ah or 2 x 17Ah	295 x 425 x 90	3.25kg
D1541-XLBD *	D1542-XLBD	D1543-XLBD	Steel, extra-deep XLBD housing	Up to 4 x 17Ah	295 x 490 x 165	5.20kg
D1541-C *	D1542-C	D1543-C	Steel, large C-size housing	2 x 7/8Ah or 2 x 17Ah	345 x 430 x 90	3.40kg
D1541-E *	D1542-E	D1543-E	Steel, extra-large E-size housing	2 x 7/8Ah or 2 x 17Ah	405 x 500 x 90	4.65kg
D1541-W	D1542-W	D1543-W	Plastic IP65, W-size housing	1 x 2.1Ah or 1 x 7/8Ah	245 x 195 x 90	1.45kg
D1541-G*	D1542-G	D1543-G	Steel very large G-size housing	2 x 24Ah or up to 4 x 17Ah	690 x 455 x 165	8.75kg
D1541-P	D1542-P	D1543-P	PCB-only version	Depends on housing	140 x 94 x 47	0.26kg

Note: * To order a black version, please add a -BK product code suffix to the part number, e.g. D1543-XLB-BK

Dycon Accessories for use with D1541, D1542 & D1543, these can be specified to be factory-fitted into a specific PSU housing			
D15X8-500mA	8-way output splitter (8 x 500mA glass fuses)	49 x 108 x 17	0.70
D15X8-1A	8-way output splitter (8 x 1A glass fuses)	49 x 108 x 17	0.70
D15X4-BNP	4-way output splitter with 4 x BNC sockets & video loop-through	71 x 128 x 15	0.80
DFX4-OP	4-way output splitter with 4 x self-resetting PET fuses	40 x 60 x 19	0.20
DFR-1-12	12VDC universal output relay module	40 x 16 x 19	0.26

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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.

D1541_2_3 data sheet 01062022 V3