

General Purpose, Multi-indicator, Switched-Mode, Power Supplies



The illustration shows a D1545-C fitted with an optional D15X4-BNC output splitter

Dycon's D15X-Series units are 1, 2, 3 and 5 Amp 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) and 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 D15X8 8-way splitters and D15X4-BNC, 4-way splitters with 4 BNC loop-through connectors, are also available. Connected to the power output, a D15X8 provides up to 8 individually fused outputs and indicators, the D15X4-BNC can power up to 4 cameras with loop-through connections for signals, making it ideally suited for use in powering CCTV systems

General Purpose 12Vdc Power Solutions

12 Vdc Multi-indicator, Switched-Mode Power Solutions

Specification	
Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230Vac +10% -15%; 50Hz ± 15%
AC Input Current	D1541-200mA; D1553-300mA; D1553-400mA; D1555-600mA
AC Input Fuse	D1541-1A; D1542-2A; D1543-2A; D1545-3A
Output Voltage with AC Power	Maximum 13.7Vdc nominal
Output Ripple	< 100mV peak-to-peak at full rated output
Maximum Output Current at Full Load	D1541-1A; D1542-2A; D1543-3A; D1545-5A
Battery Charging Current and Voltage	300 m A at 13.7Vdc float charge voltage
Minimum Standby Output Voltage	9.6Vdc
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
PCB size (h x w x d)	D1541/2 - 72 x 130 x 38mm; D1543/5 – 94 x 140 x 38
Weights	PCB-0.19kg; 'A' box-2.0kg; 'B' Box-3.2; 'C' Box-4.5kg

Product Descriptions	PCB Only	'A' box	'B' box	'C' box
		(235 x 170 x 85mm)	(260 x 320 x 90mm)	(345 x 430 x 90mm)
1 Amp -12Vdc (with battery charging)	D1541-P	D1541-A	D1541-B	D1541-C
2 Amp - 12Vdc (with battery charging)	D1542-P	D1542-A	D1542-B	D1542-C
3 Amp - 12Vdc (with battery charging)	D1543-P	D1543-A	D1543-B	D1543-C
5 Amp - 12Vdc (with battery charging)	D1545-P	D1545-A	D1545-B	D1545-C
8-way output splitter with 8 x individually fused outputs	D15X8			
4-way output splitter with 4 x BNC loop-through connectors	D15X4-BNC			