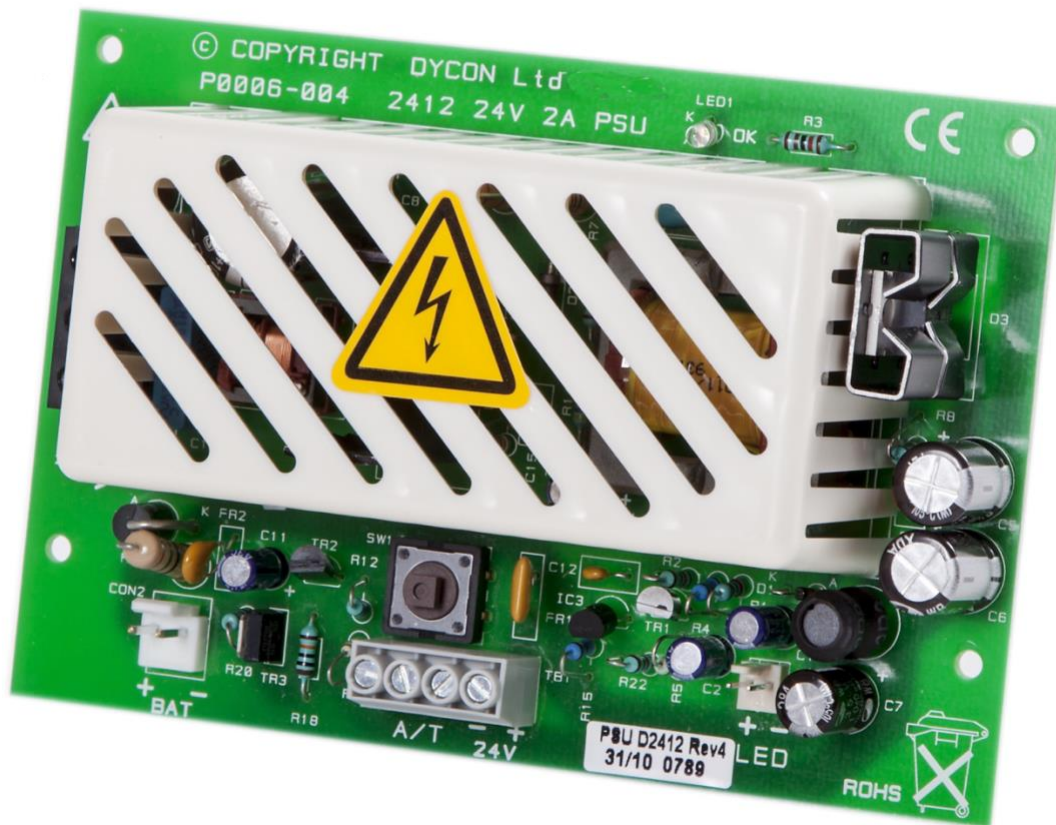


# Dycon 24VDC Range

## D2412, D2413

24VDC 2A and 3A Switched-Mode Power Supplies with Battery Back-Up, Ideal for Powering Magnetic and Electric Door Releases & General Applications



Dycon D2412 and D2413 are 24VDC switched-mode 2A and 3A power supplies, ideally suited for use with access control applications and general power applications. They have full standby battery charging capability designed to be used with two 12VDC sealed lead acid batteries connected in series. Both models use Dycon's unique protective technology featuring intelligent and capacitive load switching surge protection and 'snubbing,' eliminating the chance of an 'electrical spike' causing a door to remain closed or open, a frequent cause of personnel delays and expensive engineer call outs. These units are also protected by Dycon's unique intelligent electronic fuse technology, with automatic reset to reduce system downtime.

# 24VDC Power Solutions

24VDC Switched-Mode Power Solutions with battery back-up, ideally suited for powering magnetic or electric door releases and general 24VDC applications

## Specification

Power Supply Classification	Type A, Ungraded, Environmental Class 2
Voltage Input	195VAC - 265VAC @ 50-60Hz
AC Input Fuse	D2412 -2A; D2413- 3A;
Output Voltage with AC Power	27.4VDC nominal
Output Ripple	< 100mV peak-to-peak @full rated output
AC Fault Will indicate	If voltage falls below 175VAC± 25V
Max. Output Current at Full Load	D2412 – 2A; D2413 – 3A
Battery Recharge Time	<72 hours
Battery Charging Current at Full Load (D2412/13 only)	300mA max @27.4VDC float charge current
Minimum Standby Output Voltage	162VDC
Low Battery Fault	<22VDC and resets when the voltage reaches 23VDC
Low-voltage Power Output Fault	<175VAC± 25V
Automatic output reset time	10mS to 18s (depends on type and duration of fault)
Operating temperature	-10°C to +50°C
Humidity	95% non-condensing
PCB Size (mm)	D2412 - 130 x 87mm ; D2413 - 140 x 116mm
Weight- PCB only (kg)	D2412 - 0.19kg ; D2413 – 0.21kg
Weight – B, C, XLB and E Housings (kg)	B = 3.2kg; C = 4.5kg; XLB = 2.2kg; E = 5.8kg:

Product Type	PCB only	B box (h x w x d) 60 x 320 x 90mm	XLB box (h x w x d) 295 x 415 x 90mm	C box (h x w x d) 405 x 500 x 90mm	E box (h x w x d) 405 x 500 x 90mm
2 Amp-24VDC	D2412-P	D2412-B	D2412-XLB	D2412-C	D2412-E
3 Amp-24VDC	D2413-P	D2413-B	D2413-XLB	D2413-C	D2413-E

### Dycon Power Solutions Ltd

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#### For more information about the Dycon products:

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#### Or to discuss your specific needs:

+44 (0)1443 471 900



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.

D2412/3 data sheet 27042021V8