

# DA447

12V DC 3A or 24V DC 1.5A Power supply  
Within a mild steel enclosure

A power supply with either 1 x 3A 12V DC (13.7V) or 1 x 1.5A 24V DC (27.4V) output. The output voltage is changed by means of a simple selector plug. This unit can also house and charge one or two VRLA batteries up to 7Ah capacity and can signal a mains failure with relay contacts.

This unit also has a completely independent SPCO relay that can be driven from a 12V or 24V DC supply regardless of PCB selector position (e.g. if PCB is in 24V mode, this relay can still be used in 12V mode or not at all). A typical use for this relay would be for interfacing with a fire panel to de-power items such as magnetic locks in the event of an emergency.

Output selected as 12V	
Voltage	12V DC (13.7V)
Current	1 x 3A
Connection type	PCB terminal block (2.5mm <sup>2</sup> )
Fused	20 x 5mm 3A quick blow glass fuse
Output selected as 24V	
Voltage	24V DC (27.4V)
Current	1 x 1.5A
Connection type	PCB terminal block (2.5mm <sup>2</sup> )
Fused	20 x 5mm 1.5A quick blow glass fuse
Mains fail signalling contacts	
Contact configuration	Single pole change over (Approximately 30 second delay)
Voltage	Maximum 30V DC
Current	Maximum 1A
Connection type	PCB terminal block (2.5mm <sup>2</sup> )
Undedicated relay contacts	
Contact configuration	Single pole change over
Voltage - Coil	12V or 24V DC (separate terminals)
Voltage - Switching	Maximum 30V AC/DC
Current - Switching	Maximum 5A
	<i>Note: This is only valid when quenching diode fitted for inductive loads, e.g. magnetic locks and releases</i>
Connection type	PCB terminal block (2.5mm <sup>2</sup> )
Input	
Voltage	230V AC @ 50Hz (+/- 10%)
Power consumption	< 54VA
Connection type	10mm <sup>2</sup> internal terminal block (3 x 1.5mm <sup>2</sup> or 2 x 2.5mm <sup>2</sup> )
Fused	3A Mains fuse (BS1362)
Mains on indication	LED indication
Environmental	
Operating temperature	-10°C to +40°C
Storage temperature	-20°C to +50°C
Operating relative humidity	Maximum 95% non-condensing

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Dimensions*		
	DA447	DA447-XSM
Width	320mm	405mm
Height	255mm	400mm
Depth	90mm	120mm
Weight	< 4.8Kg	< 7.5Kg
Enclosure material	Mild steel	
Finish	Powder coated RAL9016 (white)	
Other		
Estimated operations before failure (MTBF)	50,000 hours	
CE Approved	Yes	
Lid tamper switch	Yes	
Recommended battery size	(1 or 2) 7Ah VRLA	

\*(+/- 2mm)