### **Data sheet**



# **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:</i> This is only valid when quenching diode fitted for inductive loads, e.g. magnetic locks and releases	
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 (whi	Powder coated RAL9016 (white)		
Other				
Estimated operations before failure (MTBF)	50,000 hours	50,000 hours		
CE Approved	Yes	Yes		
Lid tamper switch	Yes	Yes		
Recommended battery size	(1 or 2) 7Ah VRLA	(1 or 2) 7Ah VRLA		

\*(+/- 2mm)

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