

DA454

12V DC 8A Rack-mount power supplies
with battery-backed outputs and optional fire status control

A dedicated 19" rack-mounting power supply designed, manufactured and tested in Great Britain. The product has a 12V DC 8A power supply with VRLA battery space in one 2U height enclosure. The controller power supply unit is intended for powering access controllers and readers totalling up to 8A. The product includes various features intended to ease and speed up installations such as removable terminal blocks and front access to VRLA battery. The enclosure will house a 12V VRLA battery of up to 7AH capacity.

Outputs	DA454-12V	DA454-24V
Voltage	12V DC (13.7V)	24V DC (27.4V)
Current	8 x 1A & 2 x 3A (Maximum total output 8A)	8 x 500mA & 2 x 1.5A (Maximum total output 4A)
Connection type	Removable PCB terminal block (2.5mm²)	
Fused	Automatic self-resetting fuses	
Output status indication	Green LED indication	
Fire control		
+F	12V DC (13.7V)	
+R	+5V < +30V DC = Fire switched outputs on < 5V DC = Fire switched outputs off	
0V	If using an external power source for fire control, common 0V to this terminal.	
Mains fail signalling contacts		
Contact configuration	Single pole change over (Approximately 30 < 60-second delay)	
Voltage	Maximum 30V DC	
Current	Maximum 1A	
Connection type	PCB terminal block (2.5mm²)	
Battery low volts signalling contacts		
Contact configuration	Single pole change over (Battery at 10.5V change over)	
Voltage	Maximum 30V DC	
Current	Maximum 1A	
Connection type	PCB terminal block (2.5mm²)	
Input		
Voltage	230V AC @ 50Hz (+/- 10%)	
Power consumption	< 125VA (Approximate under full load)	
Connection type	IEC C14 socket to accept IEC C13 connector	
Fused	6.3A HRC 20 x 5 mm fuse	
Mains on indication	Green LED indication	
Environmental		
Operating temperature	-10°C to +40°C	
Storage temperature	-20°C to +50°C	
Operating relative humidity	Maximum 95% non-condensing	
Dimensions**		
Width	480mm (19")	
Height	89mm (3 ½" or 2U)	
Depth	195mm (7 ½")	

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Weight	< 4.2Kg	
Enclosure material	Mild steel	
Finish	Powder coated Black RAL9005	
Other		
Estimated operations before failure (MTBF)	50,000 hours	
CE Approved	Yes	
Tamper switch	Yes	
Recommended battery size	DA454-12V	DA454-24V
	1x 12V 7Ah VRLA or upto 17Ah within external battery storage.	2x Yuasa NP 1.2Ah or upto 17Ah within external battery storage.

*(+/- 2mm)