Data sheet



DA457

12V DC 8A 3U power supply Within a 19" 3U Rack-mount enclosure

A rack mount power supply unit with output enable for fire panel interfacing, low voltage clean contacts, mains failure clean contacts and battery low voltage disconnect. The rack will house up to two 12Ah VRLA batteries.

Voltage 12V DC (13.7V) Current DA457-2 DA457-8 DA457-78 DA57-78 DA457-78 D	Output	
1x 8A 2x 4A 4x 2A 8x 1A 16 x 500m/ Connection type PCB terminal block (2.5mm²) 20 x 5mm quick blow glass fuse rated to output current (e.g. DA457-2, 2 x 4A) Mains fail signalling contacts Contact configuration Double pole change over (Approximately 30 second delay) Voltage Maximum 30V DC Content on type PCB terminal block (2.5mm²) Battery low volts signalling contacts Connection type PCB terminal block (2.5mm²) Contact configuration Double pole change over Contact configuration Voltage Maximum 30V DC Contact configuration Contact configuration Contact configuration Double pole change over Voltage Contact configuration Voltage Maximum 30V DC Connection type PCB terminal block (2.5mm²) Input Voltage Selectable 110V or 230V AC @ 50Hz (+/- 10%) Power consumption <143VA	Voltage	12V DC (13.7V)
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Mains fail signalling contacts Contact configuration Double pole change over (Approximately 30 second delay) Voltage Maximum 30V DC Current Maximum 5A Connection type PCB terminal block (2.5mm*) Battery low volts signalling contacts Contact configuration Contact configuration Double pole change over Voltage Maximum 30V DC Current Maximum 5A Connection type PCB terminal block (2.5mm*) Input Voltage Voltage Selectable 110V or 230V AC @ 50Hz (+/- 10%) Power consumption < 143VA	Connection type	PCB terminal block (2.5mm ²)
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AnalysisAnalysisCurrentMaximum 5AConnection typePCB terminal block (2.5mm²)InputVoltagePower consumption< 143VA	Contact configuration	Double pole change over
Connection type PCB terminal block (2.5mm²) Input Voltage Voltage Selectable 110V or 230V AC @ 50Hz (+/- 10%) Power consumption < 143VA	Voltage	Maximum 30V DC
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VoltageSelectable 110V or 230V AC @ 50Hz (+/- 10%)Power consumption< 143VA	Connection type	PCB terminal block (2.5mm ²)
Power consumption< 143VAConnection typeC14 IEC connector (Kettle lead)Fused6.3A Mains fuse (BS1362)Mains on indicationNeon lampEnvironmentalOperating temperature-10°C to +40°CStorage temperature-20°C to +50°COperating relative humidityMaximum 95% non-condensingDimensions*Width480mm (19" Rack-mount)Height133mm (3U Deep rack-mount 5.25")Depth480mmWeight< 9.5Kg	Input	
Connection typeC14 IEC connector (Kettle lead)Fused6.3A Mains fuse (BS1362)Mains on indicationNeon lampEnvironmental-0°C to +40°COperating temperature-10°C to +40°CStorage temperature-20°C to +50°COperating relative humidityMaximum 95% non-condensingDimensions*	Voltage	Selectable 110V or 230V AC @ 50Hz (+/- 10%)
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Mains on indicationNeon lampEnvironmentalOperating temperature-10°C to +40°CStorage temperature-20°C to +50°COperating relative humidityMaximum 95% non-condensingDimensions*Width480mm (19" Rack-mount)Height133mm (3U Deep rack-mount 5.25")Depth480mmWeight< 9.5Kg	Connection type	C14 IEC connector (Kettle lead)
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Operating relative humidityMaximum 95% non-condensingDimensions*Width480mm (19" Rack-mount)Height133mm (3U Deep rack-mount 5.25")Depth480mmWeight< 9.5Kg	Operating temperature	-10°C to +40°C
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Height133mm (3U Deep rack-mount 5.25")Depth480mmWeight< 9.5Kg	Dimensions**	
Depth480mmWeight< 9.5Kg	Width	480mm (19" Rack-mount)
Weight< 9.5KgEnclosure materialMild steelFinishPowder coated black semi-glossOtherEstimated operations before failure (MTBF)65,000 hoursCE ApprovedYesBattery protection fuse20 x 5mm 10A quick blow glass fuse	Height	133mm (3U Deep rack-mount 5.25")
Enclosure materialMild steelFinishPowder coated black semi-glossOtherEstimated operations before failure (MTBF)65,000 hours65,000 hoursCE ApprovedYesBattery protection fuse20 x 5mm 10A quick blow glass fuse	Depth	480mm
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CE ApprovedYesBattery protection fuse20 x 5mm 10A quick blow glass fuse	Other	
Battery protection fuse 20 x 5mm 10A quick blow glass fuse	Estimated operations before failure (MTBF)	65,000 hours
	CE Approved	Yes
Battery disconnect Yes	Battery protection fuse	20 x 5mm 10A quick blow glass fuse
	Battery disconnect	Yes

The enclosed information is believed to be correct. Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E&OE. Registered Proprietor: Benham (General Engineers) Ltd (No. 1181752) Registered at 3 Galliford Road Industrial Estate, Heybridge, Maldon, Essex CM9 4XD, UK. Directors: R.A.Scott, K.E.Horwood, T.J.Scott, N.J.Scott. VAT Reg. GB 28276273 Tel:+44(0)1621 856 850 Fax:+44(0)1621 856 162 sales@dantech.uk.com Page 1 - 2 Revision EN_14-11-19-11-26-13



DA457



12V DC 8A 3U power supply Within a 19" 3U Rack-mount enclosure

Recommended battery size

Two 12V 12Ah VRLA

*(+/- 2mm)