



C.M. TECHNOLOGY

Designed and Manufactured in Australia

www.cmtechnology.com.au



PRODUCT SHORTFORM

Rev. A2

Tel: +61 (2) 9764 5655

R1 Series

1RU DC-DC

Converter



- 100% full load burn in tested
- Overload/Overvoltage/Overtemperature protected

	INPUT VOLTAGE RANGE (V DC)	OUTPUT #1 VOLTAGE (V DC)	OUTPUT #1 CURRENT (Amps)	OUTPUT #2 VOLTAGE (V DC)	OUTPUT #2 CURRENT (Amps)	INPUT INDICATION LED	DC #1 OK INDICATION LED	DC #2 OK INDICATION LED	CONNECTION	EN50155	EN55022 CLASS B	COOLING	DIMENSIONS H X W X L (mm)
R10028	57.6 - 154	12	8.4	NO	NO	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R10021	57.6 - 154	12	12.5	NO	NO	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14600	57.6 - 154	NO	NO	24	6.3	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R141600	57.6 - 154	NO	NO	24	16.8	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14428	57.6 - 154	12	8.4	24	4.2	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14421	57.6 - 154	12	12.5	24	4.2	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14621	57.6 - 154	12	12.5	24	6.3	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R141621	57.6 - 154	12	12.5	24	16.8	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R15221	57.6 - 154	12	12.5	5	20	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14452	57.6 - 154	5	20	24	4.2	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R11852	57.6 - 154	5	20	12	8.4	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R14652	57.6 - 154	5	20	24	6.3	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435
R11152	57.6 - 154	5	20	12	12.5	YES	YES	YES	FRONT	YES	YES	CONVECTION	47 X 480 X 435

Please note that this is a table of standard C.M. Technology Power Supplies. Contact us for a custom solution to suit your application.

A Caspian Technology Company

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The R1 series has been designed to suit the unique requirements of DC-DC converters utilised in industrial, railway and communications applications.

By utilising our years of technical knowledge and real-world applications gained from the proven PSTR series, the R1 Series has been designed for locomotives and heavy/light metro with DC supplies ranging from 68 to 143 volts, without any voltage selection being needed. Manufactured using switchmode topology, the R1 series has a high energy efficiency. This relatively high efficiency allows operating temperature of up to a maximum 70°C.

Our high quality components are housed in a 1RU standardised frame form factor, specifically designed for industrial applications. Detachable flanges allow for easy mounting of equipment modules in different configurations.

The finished DC-DC converters are all burnt in at full load to provoke any infant mortality failures, with some products held on long term burn-in. The R1 series are compliant with the Australian C-Tick Standard.



DC Fused Configuration

The R1 Series is optionally available in a fused DC Input, DC Output configuration.

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