



DC to DC Converter



RD Series

The RD Series is a rated DC-DC Converter range.

Available in various DC Output configurations.

MODEL	INPUT VOLTAGE (NOMINAL) V _{DC}	INPUT VOLTAGE (RANGE) V _{DC}	OUTPUT VOLTAGE V _{DC}	OUTPUT CURRENT A	CONNECTION	COOLING	Dimension H X W X L mm
RD125	12V	9.2V to 18V	5	10	FRONT	CONVECTION	47 X 480 X 435
RD1212	12V	9.2V to 18V	12	8	FRONT	CONVECTION	47 X 480 X 435
RD1224	12V	9.2V to 18V	24	6.5	FRONT	CONVECTION	47 X 480 X 435
RD245	12V	9.2V to 18V	5	4	FRONT	CONVECTION	47 X 480 X 435
RD2412	24V	19V to 36V	12V	9	FRONT	CONVECTION	92 X 480 X 435
RD2424	24V	19V to 36V	24V	7	FRONT	CONVECTION	92 X 480 X 435
RD2448	24V	19V to 36V	48V	3	FRONT	CONVECTION	92 X 480 X 435
RD4812	48V	36V to 72V	12	9	FRONT	CONVECTION	92 X 480 X 435
RD9612	96V	72V to 144V	12	9	FRONT	CONVECTION	92 X 480 X 435

- **Panel Mount MIL-C rated connector**
- **1500VAC Input/Output Isolation**
- **Long life electrolytic capacitors**
- **Short circuit, Overload & Overvoltage protection built in**
- **100% full load burn in tested**
- **CISPR Class B Compliant**




C.M. TECHNOLOGY

Designed and Manufactured in Australia

PRODUCT SHORTFORM

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Rev. A2

Overview:

By utilising our years of technical knowledge and real-world applications gained from the proven PSTR series, the RD Series has been designed to accommodate 24V, 12V & 5V DC battery charger supplies.



FUSED CONFIGURATION AVAILABLE

The RD Series is manufactured by C.M. Technology using switchmode topology and is designed for a high energy efficiency of >90%. This relatively high efficiency allows convection cooling with a maximum **70°C ambient working temperature**.

Our high quality components are housed in a 19" 1RU or 2RU high case, a standardised frame form factor allowing for easy mounting of equipment modules.

The finished DC-DC converters are all burnt in at full load for 24 hours and are compliant with the Australian C-Tick Standard.



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