

**DC to DC Converter****PSTR-DT series**

The PSTR-DT series is a compact DC-DC Converter for railway applications.

Available in 12V & 24V DC Output configurations.

MODEL	NOMINAL INPUT VOLTAGE V_{DC}	INPUT VOLTAGE RANGE V_{DC}	OUTPUT VOLTAGE V_{DC}	OUTPUT CURRENT A	CONNECTION	COOLING	Dimension H X W X L mm
PSTR11012DT	110V	67.2V to 143V	12	8.4	FRONT	CONVECTION	75 x 192 x 140
PSTR11024DT	110V	67.2V to 143V	24	4.2	FRONT	CONVECTION	75 x 192 x 140
PSTR7412DT	74V	67.2V to 143V	12	8.4	FRONT	CONVECTION	75 x 192 x 140
PSTR7424DT	74V	67.2V to 143V	24	4.2	FRONT	CONVECTION	75 x 192 x 140



- **Solid Powder Coated & Brushed Aluminum Construction**
- **Panel Mount MIL-C rated connector**
- **Long life electrolytic capacitors**
- **Front access input fuse protects against short circuits**
- **ALSO AVAILABLE IN A FUSELESS CONFIGURATION**
- **100% full load burn in tested**

**C.M. TECHNOLOGY**

Designed and Manufactured in Australia

PRODUCT SHORTFORM

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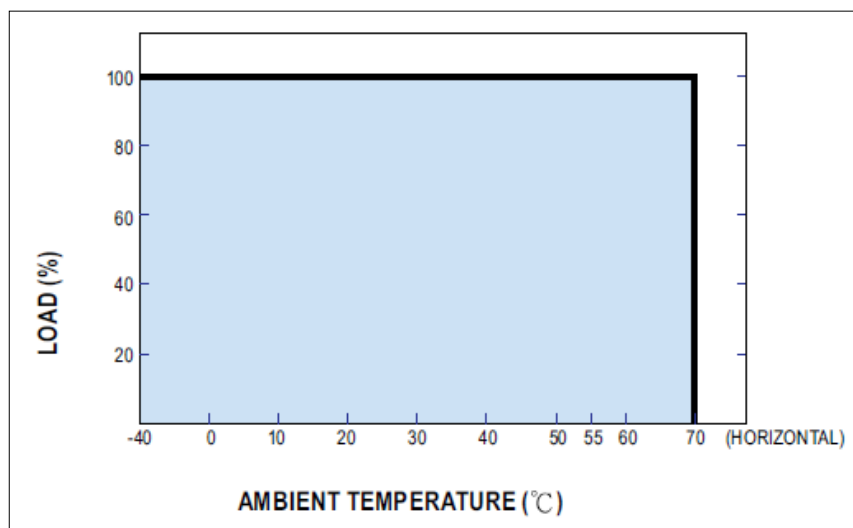
Rev. B1

Overview:

By utilising our years of technical knowledge and real-world applications gained from the proven PSTR series, the PSTR-DT series has been designed to accommodate nominal 110V DC battery charger supplies used in railway applications..



The PSTR-DT 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**.



Derating Curve

Our high quality components are housed in a compact form factor allowing for easy mounting in awkward places.

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

A Caspian Technology Company

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