



DC to DC Converter



PS Series

The PS 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
PS11012	110V	67.2V to 143V	12	8.4	FRONT	CONVECTION	81 x 180 X 212
PS11024	110V	67.2V to 143V	24	4.2	FRONT	CONVECTION	81 x 180 X 212
PS7412	74V	67.2V to 143V	12	8.4	FRONT	CONVECTION	81 x 180 X 212
PS7424	74V	67.2V to 143V	24	4.2	FRONT	CONVECTION	81 x 180 X 212



- **Solid Powder Coated & Brushed Aluminum Construction**
- **Panel Mount MIL-C rated connector**
- **100% full load burn in tested**
- **Long life electrolytic capacitors**
- **ALSO AVAILABLE IN A FUSED CONFIGURATION**




C.M. TECHNOLOGY

Designed and Manufactured in Australia

PRODUCT SHORTFORM

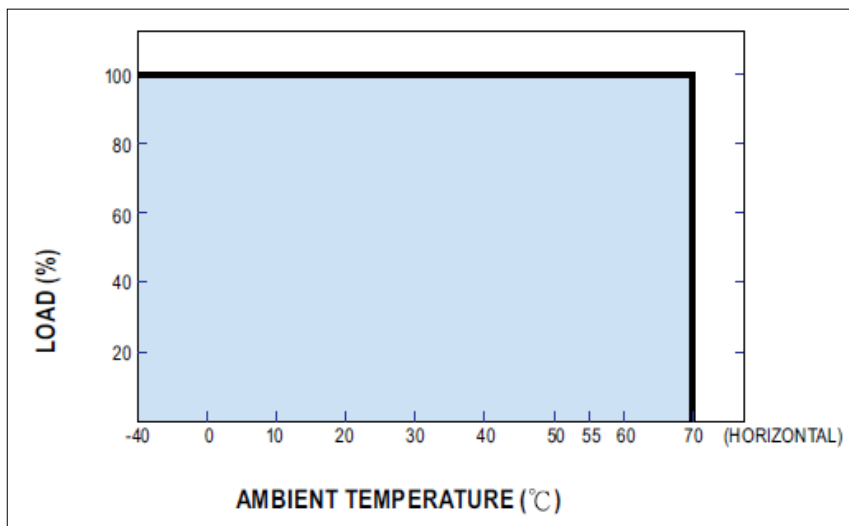
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Rev. A2

Overview:

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

The PS 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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