



Rolling Stock Control & Lighting Battery Charger



RC Series



The RC Series is a 1RU high IP65 rated DC-DC Converter.

Ideal for correct charging of Railway Control and Lighting Battery Banks.

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	WEIGHT Kg
RC128	110V	67.2V to 143V	120V	8.4A	FRONT	CONVECTION	47 X 480 X 435	Approx. 6.5 Kg
RC118	110V	67.2V to 143V	108V	8.4A	FRONT	CONVECTION	47 X 480 x 435	Approx. 6.5 Kg
RC198	110V	67.2V to 143V	96V	8.4A	FRONT	CONVECTION	47 X 480 X 435	Approx. 6.5 Kg
RC188	110V	67.2V to 143V	84V	8.4A	FRONT	CONVECTION	47 X 480 X 435	Approx. 6.5 Kg
RC178	110V	67.2V to 143V	72V	8.4A	FRONT	CONVECTION	47 X 480 X 435	Approx. 6.5 Kg



- Compliant to EN50155
- Panel Mount MIL-C rated connector
- Long life electrolytic capacitors
- IP65 Rated Assembly
- 100% full load burn in tested



The RC Series has been designed as a solution to the severe undercharging conditions rolling stock control and lighting battery banks are subjected to.

By utilising our years of technical knowledge and real-world applications gained from the proven PSTR series, the RC Series has been designed to accommodate 74V DC locomotive and nominal 110V DC battery charger supplies.

- **Overload Protection**
Constant current limiting, automatic recovery after removing fault condition
- **Overvoltage Protection**
Shutdown Output Voltage, recovery upon repowering unit on
- **Working Temperature**
-40°C to +70°C (No derating)
- **Shock & Vibration Testing**
Compliant to IEC61373 Standard
- **Safe Operation**
Compliant to EN50155 & IEC60571 Standards
- **Withstand Voltage**
Input to Output: 4000V_{DC}, Input to Ground 2500V_{DC}, Output to Ground 2500V_{DC}
- **EMC Emissions**
Compliant to EN55022 (CISPR22), Conduction Emission Class A, Radiation Emission Class B & EN50155 (EN50121-3-2)
- **EMC Immunity**
Compliant to EN61000-4-2,3,4,6,8, ENV50204 & EN50155(EN50121-3-2) Light Industry, Criteria A
- **Australian C-Tick Standard Compliant**
- **Derating Curve**

