

30-VA Railway Sinewave Inverters Feature IP66 Protection

[ABSOPULSE Electronics](#)' RSI 30-D1 series of railway quality sinewave inverters deliver 30-VA pure sinewave output voltage. The inverters meet the requirements of EN50155 for electronic equipment used on railway rolling stock. They employ microprocessor-controlled high-frequency PWM technology to convert 24 Vdc, 48 Vdc, 72 Vdc, 96 Vdc or 110 Vdc, with wide EN50155 input ranges, to 115 Vac, 230 Vac or custom outputs. With heavy filtering on the input and output, the units comply with EN50121-3-2. They also meet EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-6 and related railway standards.

Installed in IP66-rated waterproof, die cast aluminum packages with sealed connectors, the inverters are protected from the ingress of rain, humidity, sand, dust, metallic dust, oil and other contaminants (see the figure). The units are cooled by internal conduction to the walls of the IP66 enclosure and by baseplate and operate within a -25°C to +55°C range without derating. Optional full encapsulation of the internal inverter module in a MIL-grade silicon rubber compound would enable operation within a -40°C to +70°C temperature range. For more information call the factory in Canada at 613-836-3511 or see www.absopulse.com



Figure. Installed in IP66-rated waterproof, die cast aluminum packages with sealed connectors, the RSI 30-D1 railway quality sinewave inverters are protected from the ingress of rain, humidity, sand, dust, metallic dust, oil and other contaminants. These inverters meet the requirements of EN50155 for electronic equipment used on railway rolling stock, comply with EN50121-3-2 (with heavy filtering) and also meet EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-6 and related railway standards.