

BL1200C-8-RR100 Rail Road Signal Source SPECIFICATIONS

INPUT

Voltage: 115 VAC +/- 10%, Single Phase.
Other voltages available, consult factory

Frequency: 57 - 253 Hz

OUTPUT

Isolated and Floating.

Voltage: 120 VAC, Single Phase, Other voltages available, consult factory, adjustable $\pm 10\%$, locking knob

Frequency: 100 Hz, +/- 0.25 Hz, Other Frequencies available, consult factory.

Power: 1200 VA

Current: 10 Amps

Current Crest Factor: 3:1

Power Factor: 100% of rated output into any power factor load

Distortion: 2.0% Typical THD

Load Regulation: $\pm 0.7\%$ No Load to Full Load

Line Regulation: $\pm 0.1\%$ for $\pm 10\%$ Line Change

Efficiency: 80% typical



CONTROL CIRCUIT

External Sync: Synchronize AC output with external input, 120Vac in

PROTECTIVE CIRCUITS / INDICATORS

Input: Main circuit breaker and **surge arrestors**.

Constant Current Mode: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform.

Overload Protection: Short Circuit overload electronically disables output to protect load. **Automatic reset upon overload removal.**

Thermal Protection: Internal temperature sensor prevents heat damage.

Output: **Surge arrestors.**

Meters: Digital Meters for Volts, Amps & Frequency
Accuracy, ± 1 Digit.

ALARMS

Contact closure & Indicator

1. Inv OK – Output Under & Over voltage .
2. Sync - Loss of sync input
3. Lock - Out of phase condition between Inverter output and Sync Input
4. Over Temp - Over Temperature

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MECHANICAL SPECIFICATIONS

Dimensions: 19" rack mount chassis: 5.25"H max x 22"D.
Air Filtering: Front panel removable washable filter.
Operating Temperature: 0 to 55° C.
Humidity: 0 – 95 % Non condensing.
Cooling: Internal fans.
Input connections: Screw type terminals.
Output connections: Screw type terminals.
Sync connections: Screw type terminals

OPTIONS:

- ID: Input Turn on Delay**
- RC: Ruggedized and Conformally coat PC boards**
- S: Slides, heavy duty, full set for each chassis**

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