

BL5100C-X-RR100 Rail Road Signal Source SPECIFICATIONS

INPUT

Voltage:C-X 120 VAC +/- 10%, Single Phase.
Frequency: 57 - 63 Hz

OUTPUT

Voltage: 120 VAC, Single Phase,
Isolated and Floating.
Frequency: 100 Hz, +/- 0.25 Hz
Power: 5 KVA
Current: 42 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: 85% typical



CONTROL CIRCUIT

External Sync: Synchronize AC output with external input.

PROTECTIVE CIRCUITS / INDICATORS

Input: Main circuit breaker and adjustable under and over voltage.

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 & transformer isolated.

Meters: Digital Meters for Volts, Amps & Frequency

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MECHANICAL SPECIFICATIONS

Dimensions:	High strength rack cabinet with casters 30"H x 31.6"D x 22.1"W.
Weight:	400lbs
Operating Temperature:	0 to 55° C.
Cooling:	Internal fans.
Input connections:	Screw type terminals.
Output connections:	Screw type terminals.
Sync connections:	Screw type terminals

OPTIONS:

A: Alarms, Contact closure & Indicator

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

AAR: AAR Terminals, input and output

ID: Input Turn on Delay

RC: Ruggedized and **Conformally** coat PC boards

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