BL3100C-8-RR100 Rail Road Signal Source SPECIFICATIONS

INPUT
Voltage: C-8: 115/230 VAC +/- 10%, Single Phase.
Frequency: 57 - 253 Hz

OUTPUT
Voltage: 120 VAC, Single Phase, Isolated and Floating.
Frequency: 100 Hz, +/- 0.25 Hz
Power: 3 KVA
Current: 25 Amps
Current Crest Factor: 3:1
Power Factor: 100% of rated output into any power factor load
Distortion: 2.0% Typical THD, full resistive load.
Load Regulation: +1.0% No Load to Full Load
Line Regulation: +0.5% for +10% Line Change
Efficiency: 85% typical

CONTROL CIRCUIT
External Sync: Synchronize AC output with 120 VAC external input.

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 & transformer isolated.
Meters: Digital Meters for Volts, Amps & Frequency Accuracy, +/- 2% Full Scale / +/- 1 digit.

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MECHANICAL SPECIFICATIONS

Dimensions: Two high strength 19" rack mount chassis, each: 7.0"H x 22"D.
Weight: 225lbs
Operating Temperature: 0 to 50° 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

ID: Input Turn on Delay

RC: Ruggedized and Conformally coat PC boards

S10: Slides, heavy duty, full set for each chassis

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