BL5100C-9-RR100 Rail Road Signal Source SPECIFICATIONS

INPUT
Voltage C-9: 230 VAC +/- 10%, Single Phase
C-10: 480 VAC +/- 10%, Single Phase
Frequency: 57 - 253 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, 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: High strength rack cabinet with casters 30"H x 31.6"D x 22.1"W.
Weight: 400lbs
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

AAR: AAR Terminals, input and output

ID: Input Turn on Delay

RC: Ruggedized and Conformally coat PC boards