

RAILROAD PRODUCTS

- FREQUENCY CONVERTERS
- INVERTERS
- DC-DC CONVERTERS
- UPS
- ON BOARD POWER SUPPLIES



Behlman has been a leading manufacturer of AC power supplies, frequency converters and Uninterruptible Power Supplies since 1952. The products range in power from 250 VA to 120 KVA using both linear and switching technology. The supplies are available AC to AC, AC to DC, DC to AC and DC to DC. Behlman has a complete line of Rail Road signal sources, which are available with the following features:

- Input and Output Surge Suppression
- Short Circuit Protection with Automatic Recovery
- Full Input and Output Isolation
- Input/Output Redundancy
- Extended Temperature Range
- AAR Terminals
- Alarms

Our Customers Include:

- | | |
|-------------------------|---------------------------|
| • AMTRACK | • ALSTOM |
| • DART | • GE TRANSPORTATION |
| • LIRR | • SAFETRAN |
| • METRA | • UNION SWITCH AND SIGNAL |
| • NEW JERSEY TRANSIT | |
| • NEW YORK CITY TRANSIT | |
| • PATH | |
| • SEPTA | |



FREQUENCY CONVERTERS

INPUT

Voltage: Single or three phase, Isolated and Floating.
Frequency: 47 – 53 Hz.

OUTPUT

Voltage: Single or three phase, Isolated and Floating.
Frequency: 100, 200, 250HZ, plus others
Power: 1.2 KVA to 120KVA Current Crest Factor: 3:1
Power Factor: 100% of rated output into any power factor load
External Sync: Synchronize AC output with external input.

PROTECTIVE CIRCUITS

Input and Output protection with surge arrestor and lightning protection
Overload protection
Short Circuit protection with automatic recovery

INVERTERS DC to AC

INPUT

Voltage: 12, 24, 48, 125 VDC.

OUTPUT

True Sinewave, Modified Sinewave or Squarewave.
Power: 300 - 1500 VA.
Voltage: 120 VAC, 200 VAC Model dependent.
Frequency: 25, 50, 60, 100 Hz. Plus others.

PROTECTIVE CIRCUITS

Input main circuit breaker
Short circuit overload latches output to protect load.
Power restored by cycling input power. Internal temperature sensor

OPTIONS

Alarms, AC Bypass, Indicators

UNINTERRUPTIBLE POWER SOURCES

INPUT

Voltage: Single or three phase Frequency: 47 - 63 Hz.

OUTPUT

True Sinewave
Transfer Time: Zero; True On-Line Design
Transients/Lighting Protection: 400 Joules, 6500 Amps.

DC to DC Converters and ON BOARD POWER SUPPLIES

Automatic Train Control and Cab Signal systems.
Provides Input and Output Isolation and converts an unregulated DC Voltage to a regulated DC Voltage.



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