

## AC Power Supply/Frequency Converter Specifications Model BL3X100C-9-6188

### Features

- Adjustable output 0-15 VAC, L-N, 3-phase, 1200 Hz
- Compact Size – Less rack space



Actual unit may look different

The BL3X100 delivers clean sine wave output with excellent line and load regulation, low harmonic distortion. Unique protection circuitry provides for over-temperature protection; short-circuit protection and voltage fold-back during overloads to maintain undistorted waveforms. Small size, quiet operation make the BL3X100 ideal for avionic testing.

### SPECIFICATIONS

#### INPUT

Voltage 230 VAC, +10% /- 15%, 1-phase  
Frequency 47-63 Hz

#### OUTPUT

Voltage: 0-15 VAC, L-N, 3-phase, **Isolated and Floating.**

**Power:** 120 VA, 40 VA/phase  
**Frequency:** 1200 Hz  
**Current:** 2.6Amps/phase maximum  
**Crest Factor:** 3:1  
**Power Factor:** 100% of rated output into any power factor load  
**Distortion:** 5% THD Typical with resistive load  
**Line Regulation:** 0.5% for +/- 10% line change  
**Load Regulation:** 0.7% no load to full load  
**Efficiency:** 70% typical

#### CONTROLS/ INDICATORS

**Power On/Off:** Circuit breaker  
**Indicators:** Power On, Overtemp, Fault, Constant Current

#### PROTECTIVE CIRCUITS

**Input:** Main circuit breaker  
**Constant Current:** Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform.  
**Overload:** Short Circuit overload electronically disables output to protect load. Power restored by cycling circuit breaker  
**Thermal:** Internal temperature sensor prevents over heating.

## ENVIRONMENTAL / CONNECTIONS

**Operating Temp:** 32° F to 122° F (0-50° C)  
**Humidity:** 0-95% RH non-condensing  
**Input Connections:** Terminal block with #6-32 hardware  
**Output Connections:** Terminal block with #6-32 hardware

## MECHANICAL SPECIFICATIONS

**Dimensions:** 19" rack-mount chassis (3U) 5.25" H and 22" D  
**Weight:** 35 lbs max  
**Cooling:** Internal fans

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