

BL 5000C-X-4254-IC AC Source Specifications

INPUT:

Multi Pulse Input Transformer for Low Input Current THD in the following configurations:
380Vac, 3 phase or 460Vac, 3 phase (jumper selectable), 47 – 63 Hz.

OUTPUT:

Voltage/Current: Single phase: 0-135Vac @ 40A
Three phase: 0-135Vac, L-N @ 12.5A
Frequency: 45 - 500 Hz.
Current Crest Factor: 3:1 Typical
Distortion: 1.5% Typical THD @ 60Hz.
Load Regulation: $\pm 0.7\%$ No Load to Full Load
Line Regulation: $\pm 0.1\%$ for $\pm 10\%$ Line Change
Power Factor: 100% of rated output into any power factor load.
Efficiency: Minimum 70% from 40% load to full load.



PROTECTIVE CIRCUITS:

Input Protection: Main circuit breaker. (Located on front panel.)
Constant Current Mode: Overload automatically causes voltage fold back to provide maximum current without distorting output waveform. (C/C Displayed)
Short Circuit Protection: Short Circuit electronically latches output open to protect load. Power restored by cycling circuit breaker. Fault LED Illuminated.
Thermal Protection: Internal temperature sensor prevents heat damage. (O/T Displayed)

MECHANICAL SPECIFICATIONS:

Integrated Chassis: 19" rack mount chassis 10.50"H x 22"D. 175 lbs.
Operating Temperature: 0 - 55 ° C.
Humidity: 0 - 95% RH non-condensing.
Input & Output Connections: Separate Barrier strips. (1 for AC Input and 1 for AC Output.)
Paint & Logo (Front Panel): Polyamide Enamel, Semi-Gloss, Pantone Cool Gray 2C, Textured; Logo per HiiLogo.jpg

PAC 2000 CONTROLLER

w/ Large 2 Line VF Display & RS232 Interface

SYSTEM OUTPUT MANAGEMENT:

	Resolution	Accuracy:
VOLTAGE:	0.1 V	0.25% of full-scale
CURRENT LIMIT:	0.1 A	0.25% of full-scale
FREQUENCY:	0.1 Hz	0.005 Hz

MEASUREMENT & DISPLAY CAPABILITY:

	Resolution	Accuracy
VOLTAGE RMS	0.1 V	0.25% of full-scale
CURRENT RMS	0.1 A	0.3% of full-scale
FREQUENCY	0.1 Hz	0.001 Hz

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