

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

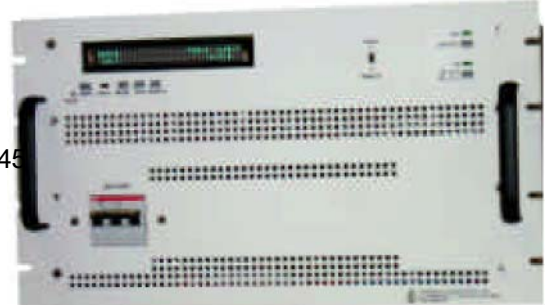
### INPUT:

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 45 - 500 Hz.

Frequency: 3:1 Typical  
Current Crest Factor: 1.5% Typical THD @ 60Hz.  
Distortion: Load  $\pm$ 0.7% No Load to Full Load  
Regulation: Line  $\pm$ 0.1% for  $\pm$ 10% Line Change  
Regulation: Power 100% of rated output into any power factor load.  
Factor: Efficiency: Minimum 70% from 40% load to full load.



### PROTECTIVE CIRCUITS:

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

### MECHANICAL SPECIFICATIONS:

Integrated Chassis: Operating Temperature: Humidity:  
Input & Output Connections: 19" rack mount chassis 10.50" H x 22" D. 175 lbs. 0 - 55 ° C.  
Paint & Logo (Front Panel):

### PAC 2000 CONTROLLER

0 - 95% RH non-condensing.  
Separate Barrier strips. (1 for AC Input and 1 for AC Output.)  
Polyamide Enamel, Semi-Gloss, Pantone Cool Gray 2C, Textured;  
Logo per HiiLogo.jpg

### 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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