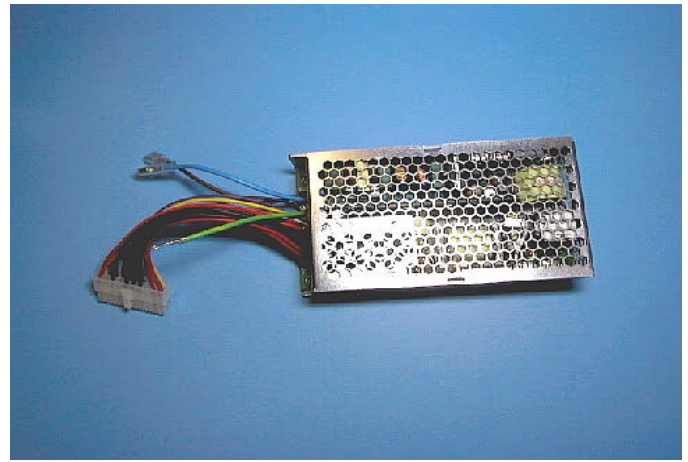


**Model: BPA-170-3324B**

Total Power	170 Watts
Input Voltages	90-264 VAC
Outputs	Triple



**SPECIAL FEATURES**

- Active Power Factor Correction
- Wide Range Input
- UL, CUL, and DEMKO Approvals
- CE compliant
- Low profile height fits 1U constraints
- Custom modifications available

**ENVIRONMENTAL SPECIFICATIONS**

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.01% / °C

Ambient Operating Temperature: 0 to +50°C continuous duty, full rating. Derate linearly to 50% of full rating at +71°C.

Cooling: 19 CFM forced air-cooling required.

**SAFETY APPROVALS**

UL	60950
CUL	60950
DEMKO	EN60950

**VOLTAGE/CURRENT RATING CHART**

Voltage	Minimum	Maximum	Peak
+5V	0A	25A	25A
+3.3V	0A	15A	15A
+12V	0A	2A	2A

**ELECTRICAL SPECIFICATIONS**

**Input Specifications**

Input Range.....90-264 VAC

Frequency.....47-63 Hz

EMI filter.....EN55022 Class B, FCC Part 15

Inrush Current.....<32A @ 230 VAC

Input Current.....2.6 - 0.9A

Isolation.....4242 VDC (Input to Output)

Efficiency.....73% @ 120 VAC

Active PFC.....0.99

Switching Frequency.....134 KHz.

**Output Specifications**

DC Output.....Maximum continuous output power 170 Watts with 19-CFM fan cooling.

Line Regulation.....±0.5%

Load Regulation.....±1% on all outputs

Ripple and Noise.....1% Pk to Pk

Transient Response.....2% Maximum deviation; returns to initial condition in 1 msec max.

300-1 Route 17 South Suite B2  
 Lodi, NJ 07644  
 Phone: (973) 594-1800 Fax: (973) 594-1804  
[salesteam@blutekpower.com](mailto:salesteam@blutekpower.com)

## **Model: BPA-170-3324B**

### **ELECTRICAL SPECIFICATIONS (CONT')**

#### **Output Specifications**

Long Term Stability.....0.01% after 20 minute warm-up.

Hold-Up Time.....20msec minimum

OVP.....115% to 135% on both outputs

Short-circuit Protection.....Latching method. AC must be recycled to restart the unit.

Overload Protection.....The power supply will shut down when the output power rating exceeds 110% to 130% of maximum rated output current. AC must be recycled to restart the unit.

### **OVERALL MECHANICAL DIMENSIONS**

U-Bracket only

6.0"L x 3.23"W x 1.46"H  
(152.5mm X 82mm X 37mm)

U-Bracket with cover

6.0"L x 3.23"W x 1.5"H  
(152.5mm X 82mm X 38mm)

### **PIN ASSIGNMENTS**

See attached drawing

### **CONNECTOR**

AC input – F250 Faston

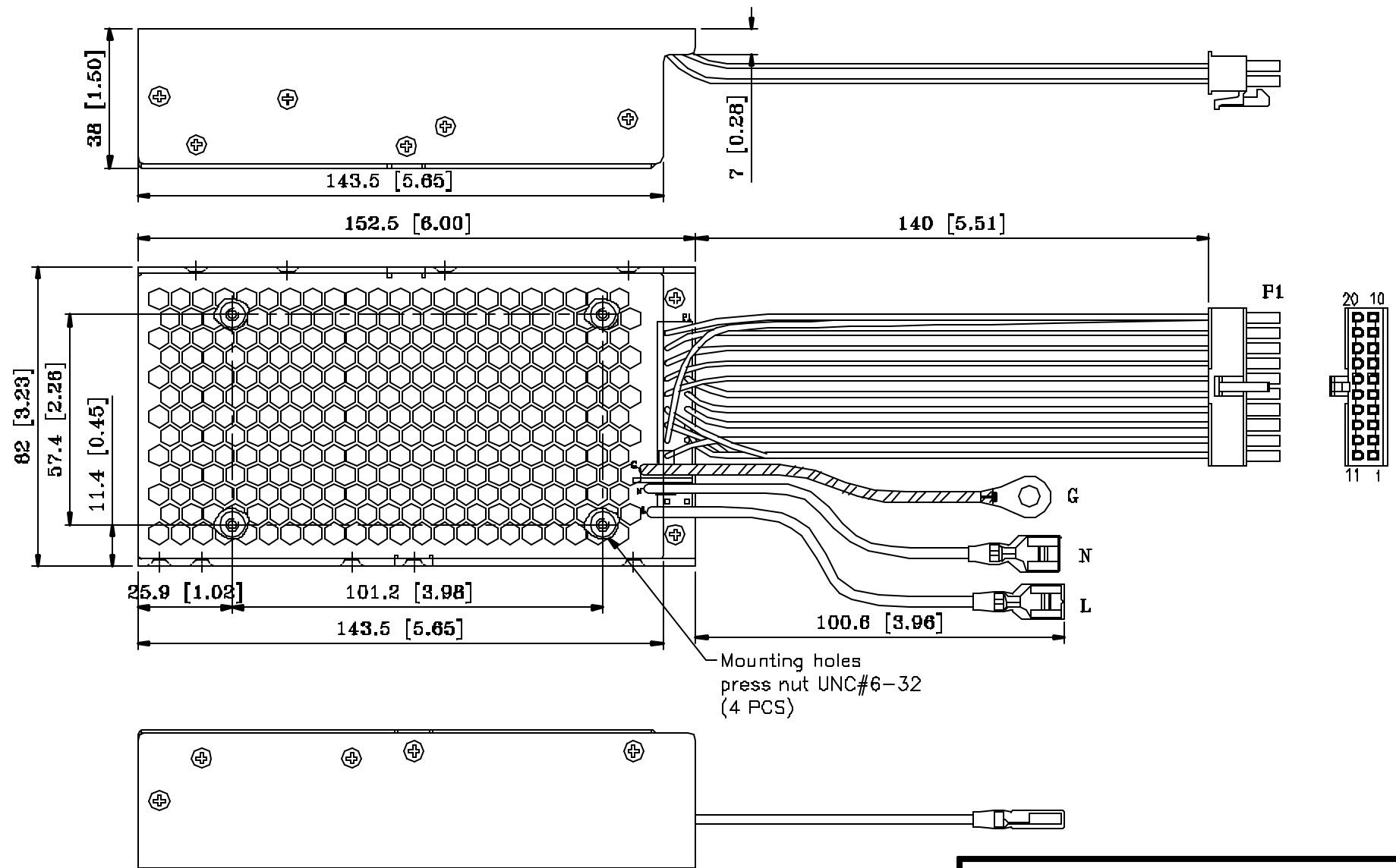
DC output – Molex P/N 39-01-2200

### **NOTES**

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 1 year
- Weight: 1.7 lbs.

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FM-4000-10/REV.D-080502'



<i>BluTek Power</i>			
TITLE			
OUTLINE DRAWING			
DRAWN	H. L. LIN	DRG. NO.	BLU-012
CHECKED		MODEL NO.	BPA-170-20B

UNIT	mm[inches]	REV. NO.	C	SCALE	0.7 : 1	MAT'L	t=
THIRD				TOL.	± 0.2	DATE	06. 17. 2004



MODEL NO. : BPA-170-3324B

**INPUTS :**

ASSIGNMENT	A.C. VOLTAGE	CURRENT	PIN NBR
L:	100-240V~	2.6A	L
N:			N
GND:		50-60Hz	G

**IN/OUTPUT RATING & PIN ASSIGNMENT**

SIZE : A4	FM-4000-34/REV.A-080502'
UNIT :mm[inches]	FILENAME: PPSC0351
REV. NO.: B	DATE : 12. 01. 2005
DRAWN: 洪麗珍 L. J. Hun	CHECKED:

**OUTPUTS :**

ASSIGNMENT	D.C. VOLTAGE	CURRENT	PIN NBR
V01:	+5V ---	25A	P1-4,6,19,20
V02:	+3.3V ---	15A	P1-1,2,11
V03:	+12V ---	2A	P1-10
DC COM:			P1-3,5,7,13,15,16,17
5VCS:			P1-20
3.3VCS:			P1-1
NC:			P1-8,9,12,14,18

MAXIMUM OUTPUT POWER: 170W

P1 = Molex 39-01-2200  
or CviLux CP-01120036

