

Model: BPA-300-5L

Total Power	300 Watts
Input Voltages	90-264 VAC
Outputs	Six



SPECIAL FEATURES

- Active Power Factor Correction
- Wide Range Input
- Power good signal
- P. S. On
- Remote Sensing
- No minimum load requirement
- UL, CUL, CB Scheme & Demko Approvals CE compliant

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: Self-contained fan cooling.

SAFETY APPROVALS

UL 60950
 CUL 60950
 Demko EN60950

VOLTAGE/CURRENT RATING CHART

Voltage	Minimum	Maximum	Peak
+5V	0A	25A	25A
+3.3V	0A	20A	20A
+12V	0A	15A	15A
-12V	0A	1.0A	1.0A
-5V	0A	0.3A	0.3A
+5VSB	0A	2.0A	2.0A

ELECTRICAL SPECIFICATIONS

Input Specifications

Input Range.....90-264 VAC
 EMI filter.....EN55022 Class A, FCC Part 15
 Inrush Current..... ≤32A @ 264 VAC
 Input Current.....7.2A – 2.5A
 Isolation.....4242 VDC (Input to Output)
 Efficiency.....73% @ 120 VDC
 Switching Frequency.....134KHz.

Output Specifications

DC Output.....Maximum continuous output power 300 Watts with self-contained fan cooling.

Line Regulation.....±0.5%

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

Model: BPA-300-5L

ELECTRICAL SPECIFICATIONS (CONT')

Output Specifications

Load Regulation..... $\pm 1\%$ on all outputs

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

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

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

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

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

Short-circuit Protection.....Latching method on all
outputs except the 5V standby which utilizes the hiccup
method. The AC input or P. S. On must be recycled to
reset the unit.

Overload Protection.....If the output current
rating exceeds 110% to 130% of the maximum rated
output, the power supply will latch off all outputs except
the 5V standby which utilizes the hiccup method. The
AC input or P. S. On must be recycled to reset the unit.

Remote Sensing.....+5V, +3.3V and +12V
outputs only.

Power Good..... A TTL high logic signal
is provided on P1-8 when the input and output voltages
are within normal operating conditions.

P. S. On.....A TTL low logic signal
will enable the power supply.

OVERALL MECHANICAL DIMENSIONS

6.79" L x 5.91" W x 3.39" H
(172.5mm X 150.1mm X 86mm)

See attached Outline Drawing

PIN ASSIGNMENTS

See attached In/Output Rating & Pin Assignment Sheet

CONNECTOR

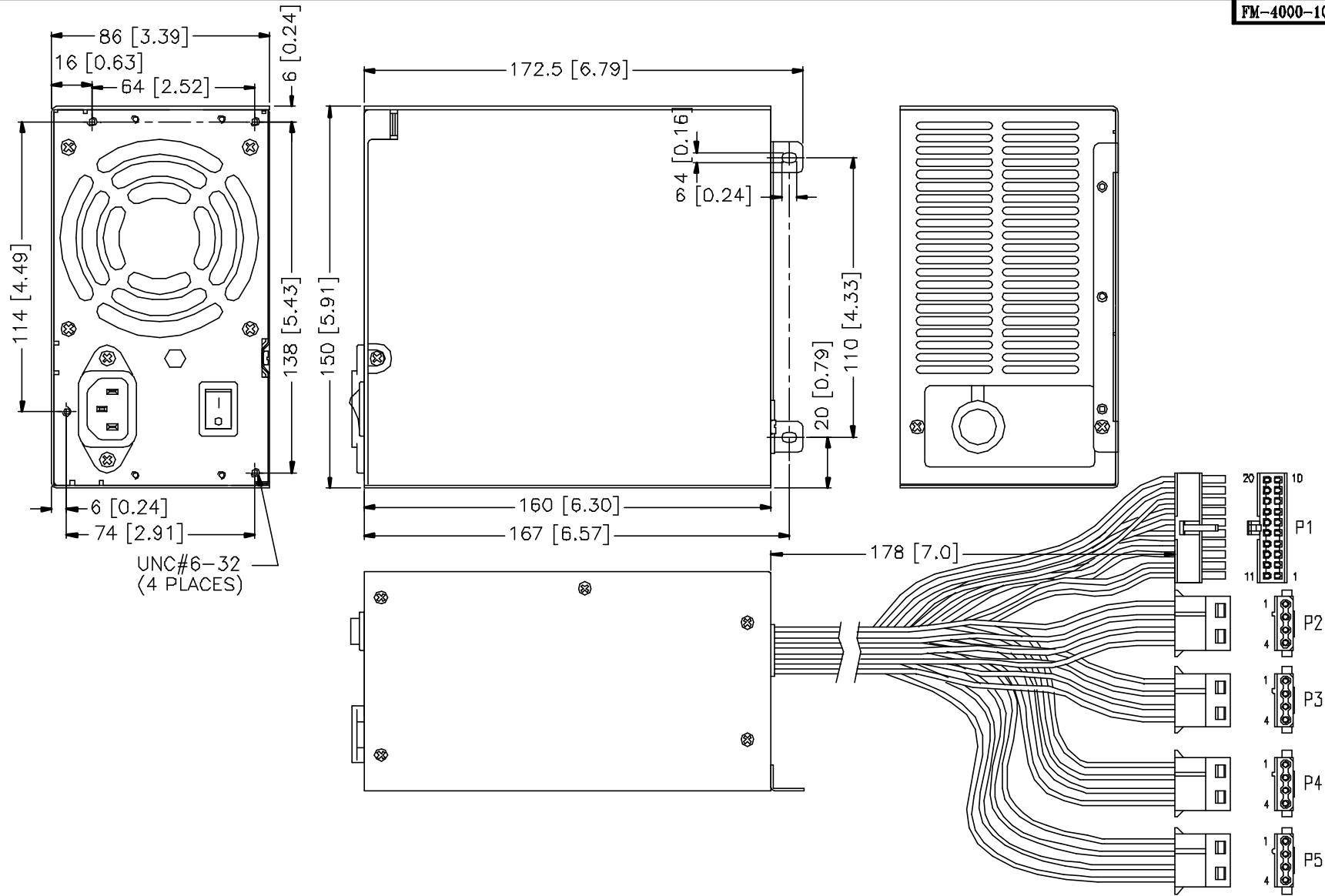
AC Input
INALWAYS P/N 0707-1CQ IEC inlet

DC Output
P1 – Molex P/N 39-01-2200
P2, P3, P4, P5 – AMP 1-480424-0

NOTES

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 1 year
- Weight: 5 lbs.

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<i>BluTek Power</i>			
TITLE OUTLINE DRAWING			
DRAWN	C. M. WU	DRG. NO.	BLU-083
CHECKED		MODEL NO.	BPA-300-5L

UNIT	mm[inches]	REV. NO.	B	SCALE	0.48 : 1	MAT'L	t=
THIRD	\oplus	\ominus		TOL.	± 0.2	DATE	04. 20. 2005



MODEL NO. : BPA-300-5L

INPUTS :

ASSIGNMENT	A.C. VOLTAGE	CURRENT	PIN NBR
L:	100-240V~	7.2A	L
N:			N
G:		50-60Hz	G

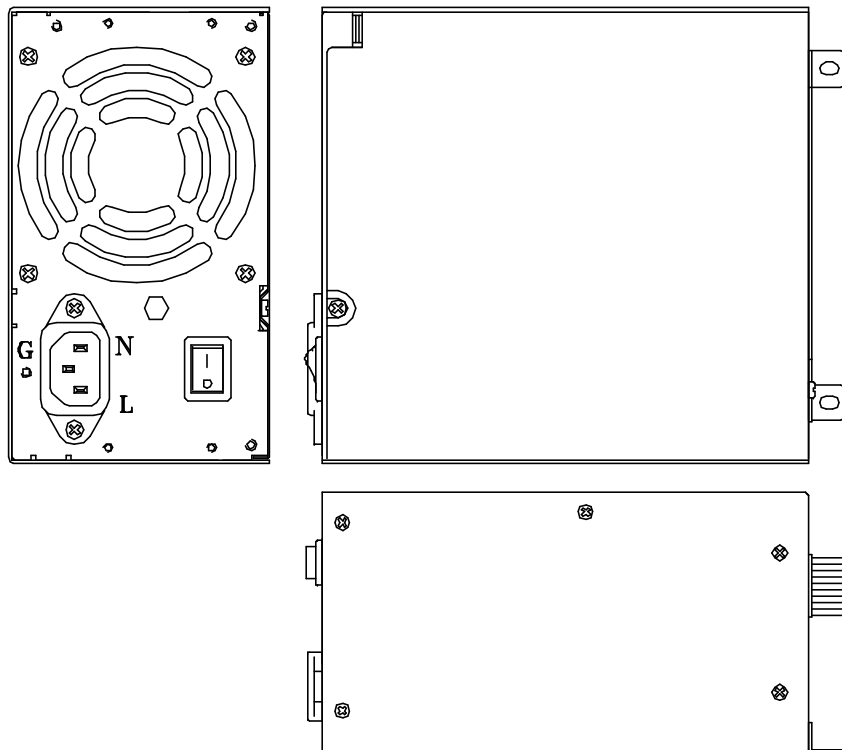
IN/OUTPUT RATING & PIN ASSIGNMENT

SIZE : A4	FM-4000-34/REV.A-080502'
UNIT :mm[inches]	FILENAME: PFSC0379
REV. NO.: C	DATE : 12. 01. 2005
DRAWN: 洪麗珍	CHECKED:
L. J. Hun	

OUTPUTS :

ASSIGNMENT	D.C. VOLTAGE	CURRENT	PIN NBR
V01:	+5V ---	25A	P1-4,6,19,20 P2-4 P4-4 P3-4 P5-4
V02:	+3.3V ---	20A	P1-1,2,11
V03:	+12V ---	15A	P1-10 P2-1 P4-1 P3-1 P5-1
V04:	-12V ---	1A	P1-12
V05:	-5V ---	0.3A	P1-18
+5VSB:		2A	P1-9
DC COM:			P1-3,5,7,13,15,16,17
DC COM:			P2,P3,P4,P5-2,3
+3.3VFB:			P1-11
+12VFB:			P1-10
+5VFB:			P1-20
P. OK:			P1-8
PS ON:			P1-14

MAXIMUM OUTPUT POWER: 300W



P1 = Molex 39-01-2200 or CviLux CP-01120036
 P2 ~ P5 = AMP 1-480424-0

