

Model: BPA-150-XXXM Series

Total Power	150 watts
Input Voltages	90-264 VAC
Outputs	Single

SPECIAL FEATURES

- Active Power Factor Correction
- Wide Range Input
- Medical Approval to UL, cUL and DEMKO to EN 60601-1
- UL, cUL and Demko to EN60950
- 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: 10-CFM forced air-cooling required.

SAFETY APPROVALS

UL	60601-1, 60950
CUL	60601-1, 60950
DEMKO	EN60601-1, EN60950



- 150 watts – Medical Approved
- High Density - 1U Profile
- Power Factor and Harmonic Current Correction

VOLTAGE/CURRENT RATING CHART*

Model No.	Voltage(VO1)	Amperage
BPA-150-50M	5V	30A
BPA-150-120M	12V	12.5A
BPA-150-150M	15V	10.0A
BPA-150-200M	20V	7.4A
BPA-150-240M	24V	6.25A
BPA-150-280M	28V	5.3A
BPA-150-360M	36V	4.1A
BPA-150-480M*	48V	3.1A

*Additional output voltages available from 5.0V up to 55.4V

* Specifications are slightly different for 48V output. Please see BPA-150-480M Spec.

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.....	2.3 - 0.7A
Isolation.....	4242 VDC (Input to Output)
Efficiency.....	73% to 81% @ 120 AC depending upon output voltage

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

Model: BPA-150-XXXM Series

ELECTRICAL SPECIFICATIONS (CONT')

Input Specifications

Active PFC..... 0.99
Switching Frequency.....134 KHz.
Leakage.....< 100uA

Output Specifications

DC Output.....Maximum continuous
output power 150 watts with 10-CFM fan cooling.

Line Regulation.....±0.5%

Load Regulation.....±1%

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.....20msec minimum

OVP.....Set at 115% to 135%

Short-circuit Protection.....Hiccup method

Overload Protection.....The overload protection
feature will reduce the output voltage to a safe
dissipation level when the output power rating exceeds
125% of maximum rated power. The unit will
automatically return to regulation upon removal of the
overload.

Options:

InhibitA TTL low logic signal to
pin P2-3 on the output connector will inhibit all outputs.
Upon release of the signal, outputs are restored.

OVERALL MECHANICAL DIMENSIONS

U-Bracket Only
6.12"L x 3.23"W x 1.46"H
(153.5mm X 82mm X 37mm)

U-Bracket with Cover
6.12"L x 3.23"W x 1.5"H
(153.5mm X 82mm X 38mm)

PIN ASSIGNMENTS

See Hook-Up Drawing

CONNECTOR

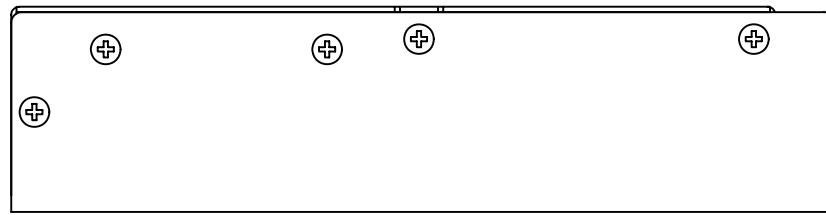
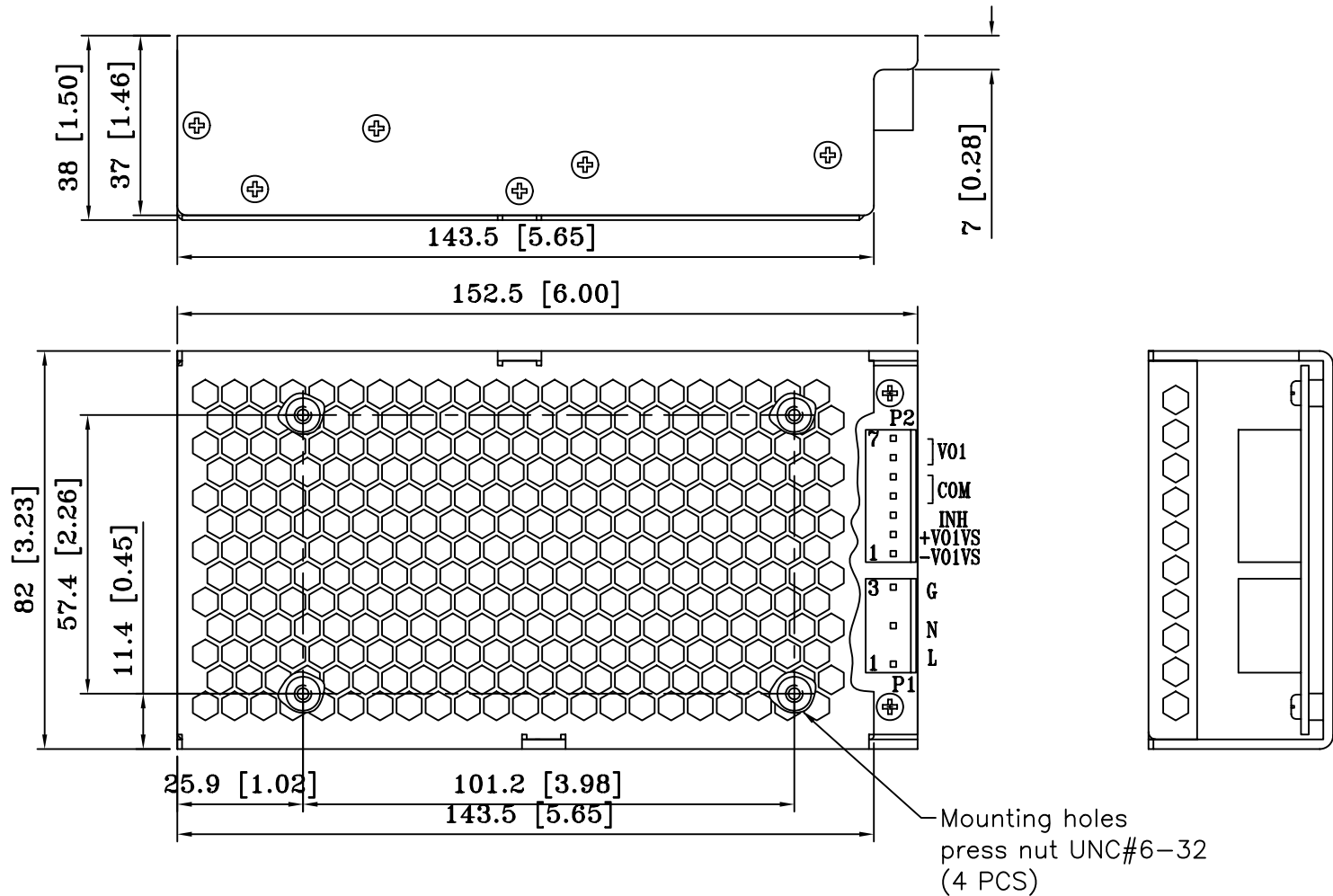
AC input Molex P/N 09-65-2058
(with pins 2 and 4 removed)

DC output Molex P/N 39-28-8140

NOTES

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 1 year
- Weight: 1.4 lbs. (635 grams)

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<i>BluTek Power</i>			
TITLE		OUTLINE DRAWING	
DRAWN	H. L. LIN	DRG. NO.	BLU-138
CHECKED		MODEL NO.	BPA-150-XXXM

UNIT	mm[inches]	REV. NO.	A	SCALE	0.7 : 1	MAT'L	t=
THIRD	⊕	⚡		TOL.	± 0.2	DATE	12. 01. 2005



IN/OUTPUT RATING & PIN ASSIGNMENT

SIZE : A4	FM-4000-34/REV.A-080502'
UNIT : mm[inches]	FILENAME: PPSC0411
REV. NO.: D	DATE : 12. 01. 2005
DRAWN: 洪麗珍 L. J. Hun	CHECKED:

MODEL NO. : BPA-150-XXXM Series

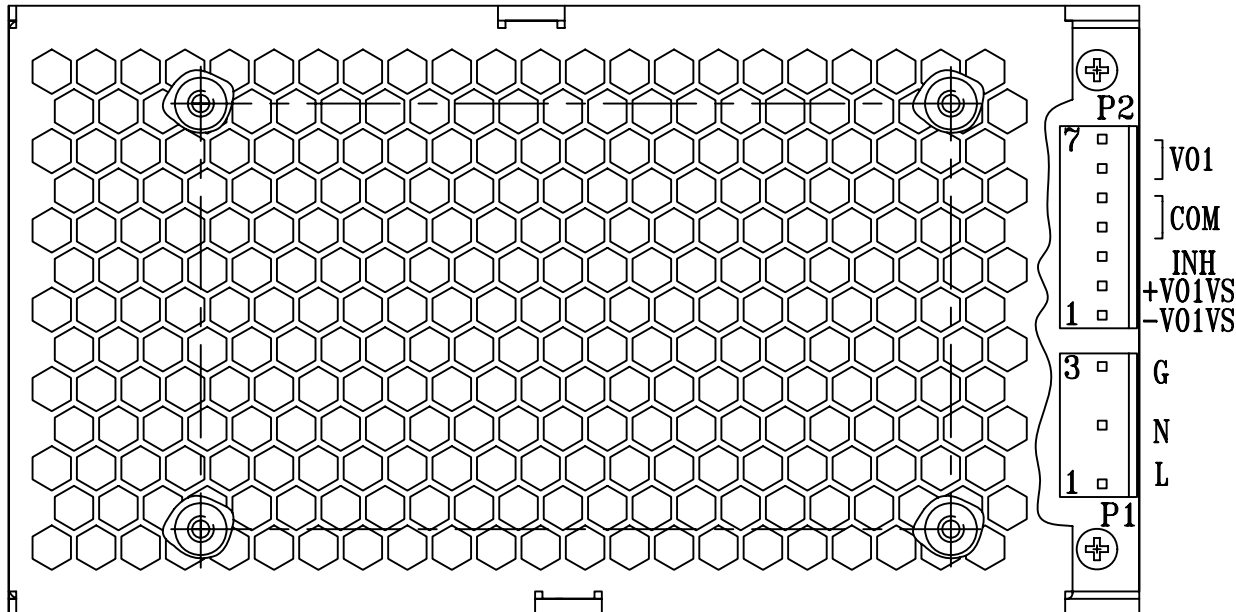
INPUTS :

ASSIGNMENT	A.C. VOLTAGE	CURRENT	PIN NBR
L:	100-240V~	2.3A	P1-1
N:			P1-2
GND:		50-60Hz	P1-3

OUTPUTS :

ASSIGNMENT	D.C. VOLTAGE	CURRENT	PIN NBR
V01:	See Voltage/Current Rating Chart		P2-6, 7
DC COM:			P2-4, 5
INH:			P2-3
+V01VS:			P2-2
-V01VS:			P2-1

MAXIMUM OUTPUT POWER: 150W



P1=LCU P3060-05-2/4-S2
 P2=LCU P3060-07 or molex 5273-07A