

Models: BPA-480-XXXC

Total Power	480 Watts
Input Voltages	90-264 VAC
Outputs	Single + 5VSB

SPECIAL FEATURES

- 90+ Efficiency
- Active Power Factor Correction
- Wide Range Input
- Remote Sense
- Low profile height fits 1U constraints
- RoHS compliant
- **Custom modifications available**

ENVIRONMENTAL SPECIFICATIONS

Humidity: Up to 95% non-condensing

Storage Temperature: -40° to +85°C

Temperature coefficient: $\pm 0.01\%$ / °C

Ambient Operating Temperature: -20° to +50°C
continuous duty, full rating. Derate linearly to 50% of full rating at +71°C.

Cooling: 20 CFM Air Flow required for 480W

SAFETY APPROVALS

UL	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements)
CUL	CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)
CB	IEC 60950-1(ed.2), IEC 60950-1 (ed.2);am1, IEC 60950-1(ed.2);am2
DEMKO	EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/ A2:2013.



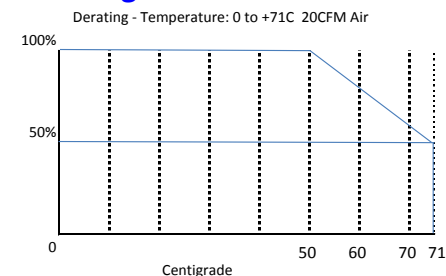
ELECTRICAL SPECIFICATIONS

Input Specifications

Input Range.....	90-264 VAC
Frequency.....	47-60 Hz
EMI filter.....	EN55022 Class B, FCC Part 15
Inrush Current.....	$\leq 32A$ @ 230 VAC
Input Current.....	3.2A – 1.09A
Isolation (Input to Output).....	4242 VDC
Isolation (VO1 to Gnd).....	2200 VDC
Efficiency.....	>90%
Active PFC.....	0.99
Switching Frequency.....	Variable
Leakage.....	<500uA

Output Specifications

Derating Curve



DC Output..... Maximum continuous
output power 480 Watts with 20-CFM fan cooling.

Line Regulation..... $\pm 0.5\%$

Load Regulation..... $\pm 1\%$

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

BPA-480-XXXC Spec – 060216

Models: BPA-480-XXX

ELECTRICAL SPECIFICATIONS (CONT')

Output Specifications

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

Hold-Up Time.....16msec minimum

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

Latching method. AC must be recycled to restart the unit.

Short-circuit Protection.....The units will withstand a continuous short without damage. It will automatically return to regulation upon removal of the short.

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.

OVERALL MECHANICAL DIMENSIONS

5"L x 3.3"W x 1.54"H
(127.0mm L X 83.8mm W X 39.1mm H)

PIN ASSIGNMENTS

See attached Hook-up Drawing

CONNECTOR

Input Molex 26-60-4050 or LCU P3060-05-2

Output Molex 39-28-8160

NOTES

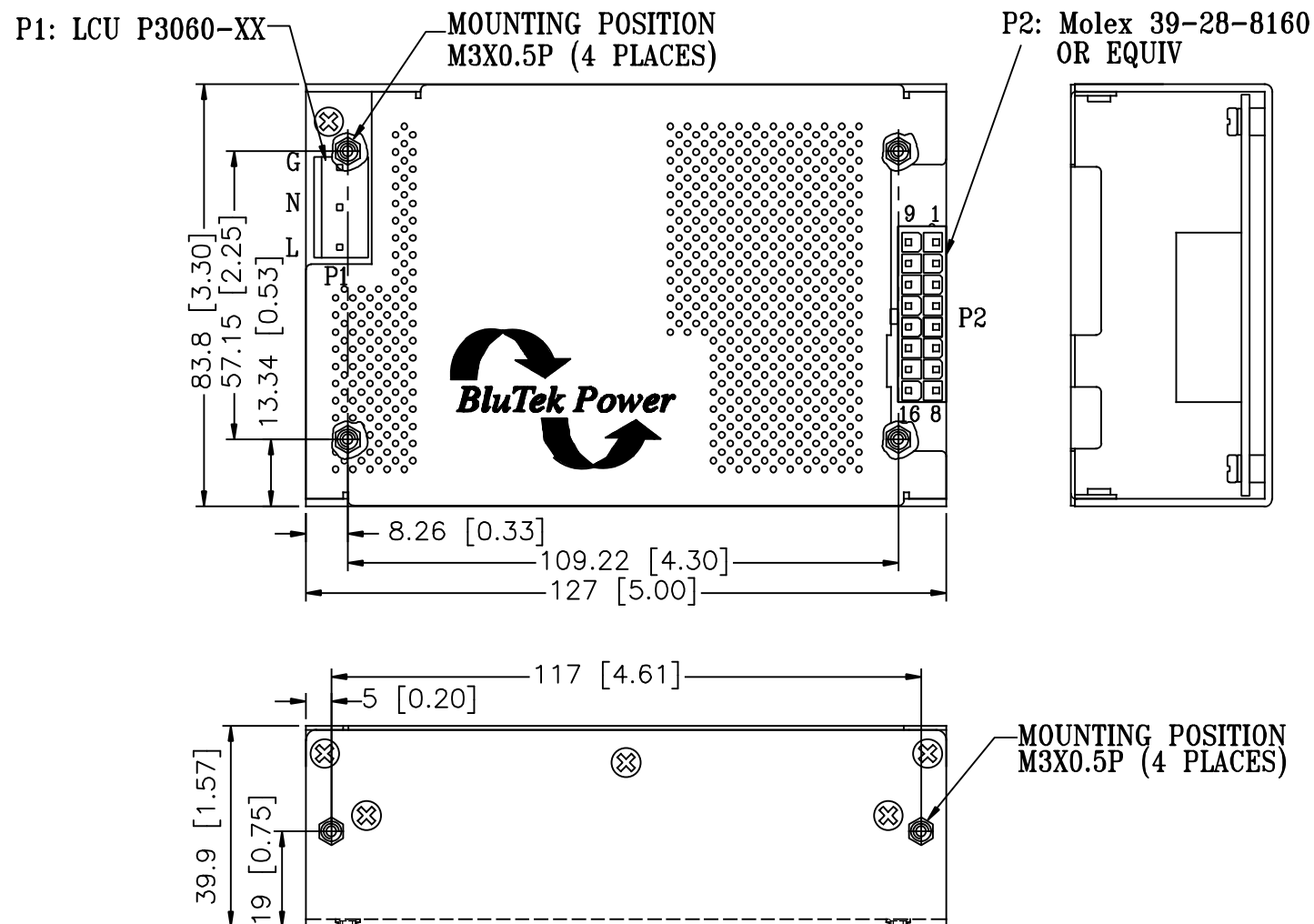
- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 2 years
- Weight: 1.25 lbs.(est.)

VOLTAGE/CURRENT RATING CHART

Part Number	Voltage	Minimum With Air Flow	Maximum With Air Flow
BPA-480-120C	+12V	0A	40.0A
	5VSB	0A	2.0A
BPA-480-240C	+24V	0A	20.0A
	5VSB	0A	2.0A
BPA-480-480C	+48V	0A	10.0A
	5VSB	0A	2.0A
BPA-480-580C	+58V	0A	8.27A
	5VSB	0A	2.0A

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中国区总代理：上海佳舍珀电子科技有限公司

UNIT	mm[inches]	REV. NO.	C	SCALE	0.7 : 1	MAT'L	DATE	06. 02. 2016	TITLE	OUTLINE DRAWING	DRG. NO.	MODEL NO.	BPA-480-XXXC
THIRD				TOL.	± 0.5	DATE	06. 02. 2016		DRAWN	C. M. WU			
									CHECKED				

电话：021-61999334 | 手机：13764203579 | 电子邮件：roman.xiao@fipower.cn | www.fipower.cn



MODEL NO. : BPA-480-XXXX

INPUTS :

ASSIGNMENT	A.C. VOLTAGE	CURRENT	PIN NBR
L :	100-240V~	6.5A	P1-L
N :			P1-N
GND :		50-60Hz	P1-G

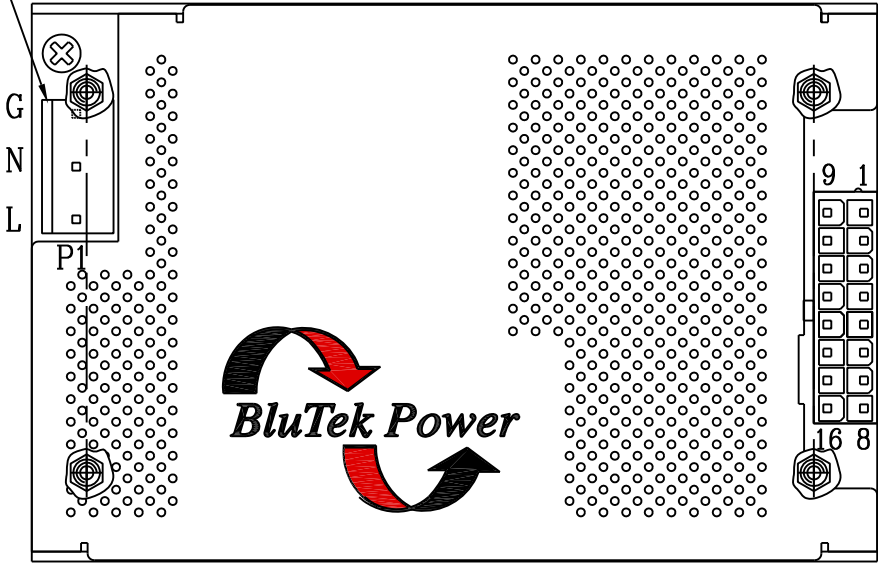
IN/OUTPUT RATING & PIN ASSIGNMENT

OUTPUTS :

ASSIGNMENT	D.C. VOLTAGE	CURRENT	PIN NBR
VO1:	(See VOLATGE/CURRENT RATING CHART)		P2-4,5,6,12,13,14
DC COM:			P2-1,2,3,9,10,11
VO1S:			P2-7
+5VSB		2A	P2-8
INHIBIT:			P2-15
P.OK			P2-16
MAXIMUM OUTPUT POWER: 480W			

SIZE : A4	FM-4000-34/REV.A-080502'
UNIT :mm[inches]	FILENAME: PPSC0644
REV. NO.: A	DATE : 06. 02. 2016
DRAWN: dXö C. M. WU	CHECKED:

P1: LCU P3060-XX



P2: Molex 39-28-8160
OR EQUIV
P2