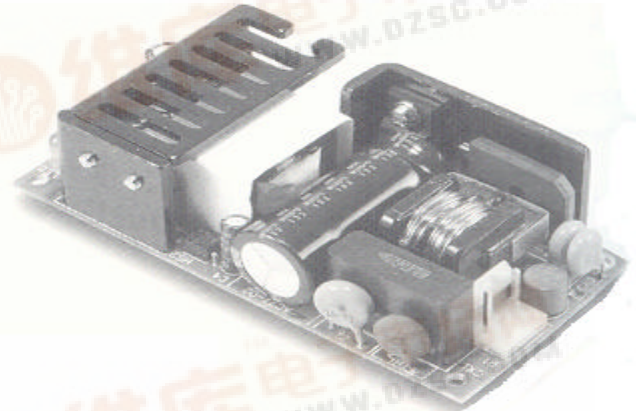


## BAO40 Series

## 40W Open Frame AC-DC Power Modules

- Universal Input 90-264 Vac
- PCB Mountable
- Efficiency to 85%
- Industry Standard Pin Out
- 100 % full load burn-in test
- ISO-9001 certified manufacturer
- Short circuit / overload / over voltage protection
- Approvals: UL / TUV / CE



### Specifications

Input voltage range.....	90-264 Vac
Input frequency.....	47 – 63 Hz
Inrush current.....	Cold start, 25A / 155Vac, 50A / 230Vac
Output voltage.....	Refer to below table
Initial Accuracy .....	±1.0% max.
Temperature Coefficient .....	±0.05% / °C
Ripple & Noise, 20Mhz BW .....	.50mVp-p, max @ 3.3/5Vo; 1%p-p,max @ other output voltage modules
Hold-up time <sup>1</sup> .....	8ms typ.
Short circuit protection.....	Continuous
Line regulation <sup>2</sup> .....	±0.05% max.
Load regulation <sup>3</sup> .....	±1.0% max.
Efficiency .....	Refer to below table
Isolation Voltage (Input/Output) .....	4242 Vac
Operating temp. range .....	0 °C – 50 °C
Storage temp. range .....	-40 °C – +100 °C
Cooling.....	Free air convection

Part No	Output	Tolerance	Ripple	Efficiency
BAO40-UAC-3.3	3.3V, 6A	+/- 1 %	50 mV	74%
BAO40- UAC-5	5V, 6A	+/- 1 %	50 mV	78%
BAO40- UAC-9	9V, 4.45A	+/- 1 %	90 mV	82%
BAO40- UAC-12	12V, 3.34A	+/- 1 %	120 mV	84%
BAO40- UAC-15	15V, 2.67A	+/- 1 %	150 mV	85%
BAO40- UAC-24	24V, 1.67A	+/- 1 %	240 mV	86%
BAO40- UAC-30	30V, 1.33A	+/- 1 %	300 mV	86%
BAO40- UAC-36	36V, 1.11A	+/- 1 %	360 mV	87%
BAO40- UAC-48	48V, 0.834A	+/- 1 %	480 mV	88%

Note: The output voltage can be 0.1V interval changed.



**Note:**

1. Measured at  $V_{in} = 115 \text{ Vac}$ , Full load
2. Measured from high line to low line
3. Measured from full load to 10% load
4. BAO40 input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
5. BAO40 output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.

**MECHANICAL DRAWING**