

Special Features

- Universal Input Voltage range
- High Efficiency and Reliability
- Small size and low profile
- AC inlet: C6, C8, With US AC cord.
- High power density
- Low lose in empty load
- Low output ripple
- MTBF demonstrated: >50,000 hours



Electrical Specs

Input

- Input voltage 90~264 VAC
- Frequency 47-63 Hz
- Input Current 1.5A @Vin90Vac full load
- Inrush Current 30/60A @Vin110/230Vac, Cold start
- Efficiency 75% min
- Leakage Current <0.25mA @ 50/60 Hz.

Output

- Maximum power 42W max
- Hold Up Time ≥10 msec 240Vac input voltage
- Overload protection ≤ 150% @ all input voltage
- Over shoot ≤ 10% of normal voltage value.
- SCP short circuited protection and with auto-recovery function

Environment

- Operating temperature : 0° to 40°C
- Storage temperature : -20°C to +80°C
- Operating Humidity : 20% to 80% RH.
- Storage Humidity : 5% to 95% RH
- Vibration:
Three orthogonal axes, sweep at 1 oct/min,
5 min. dwell at four
major resonances 0.75G peak 5Hz to
500Hz, operational.

Safety

- UL/CUL (UL60950-1) (UL60065-1)
- CE/CB (EN60950-1) (EN60065-1)
- EMC standard: EN55022 and FCC part 15 (class B)



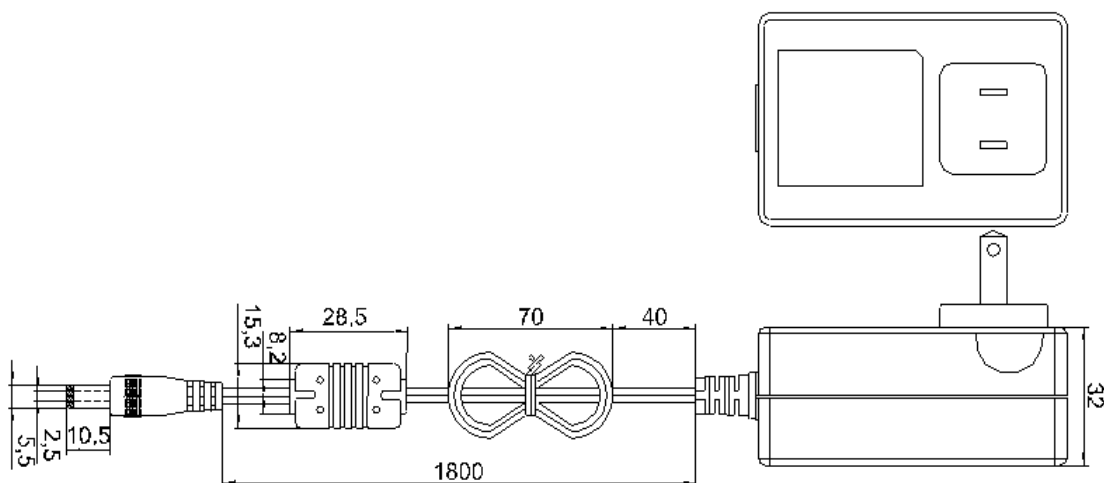
Contact Information

WEBSITE: WWW.PHIPOL.COM
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info@phipol.com

Ordering Information

| Part Number | Input Volts | Output Volts | Road | Max Power | Regulation | Ripple P/P (PARD) |
|----------------|-------------|--------------|--------|-----------|------------|-------------------|
| BI42-XXXXYY-E1 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-E2 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-F2 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-U1 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-U2 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-A1 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-A2 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-B1 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |
| BI42-XXXXYY-B2 | 100~240 Vac | 3V-24Vdc | 0.1-5A | 42 W | ± 5% | 50-250mV |

Mechanical Drawing



- 1) E1: class I desk-top type with AC inlet / socket
- 2) E2: class II desk-top type with AC inlet / socket
- 3) F2: class II desk-top type with fixed European AC cord
- 4) U1: class I desk-top type with fixed US AC cord
- 5) U2: class II desk-top type with fixed US AC cord
- 6) A1: class I desk-top type with fixed Australian AC cord
- 7) A1: class II desk-top type with fixed Australian AC cord
- 8) B1: class I desk-top type with fixed British AC cord
- 9) B2: class II desk-top with fixed British AC cord

Notes:

1. Dimensions shown in mm as left.
2. Size: 90 x 51x 32mm (+/-1.0mm)
3. AC inlet and DC cable: Of your choice.



Concentric Barrel Plug

| A (OD) | B (ID) | C (L) |
|--------|--------|-------|
| 6.5 | 3.0 | 8~14 |
| 5.5 | 2.5 | 8~14 |
| 5.5 | 2.1 | 8~14 |
| 5.0 | 2.5 | 8~14 |
| 5.0 | 2.1 | 8~14 |
| 3.8 | 1.35 | 8~14 |
| 3.8 | 1.05 | 8~14 |
| 3.5 | 1.35 | 7~14 |

