

Special Features

- Universal Input Voltage range
- High Efficiency and Reliability
- Small size and low profile
- AC inlet: C8
- 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 0.5A @Vin90Vac full load
- Inrush Current 30/60A @Vin110/230Vac, Cold start
- Efficiency 68% min
- Leakage Current <0.25mA @ 50/60 Hz.

Output

- Maximum power 13W max
- Hold Up Time ≥ 10 msec 240Vac input voltage
- Overload protection $\leq 150\%$ @ all input voltage
- Over shoot $\leq 10\%$ 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.

Contact Information

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Safety

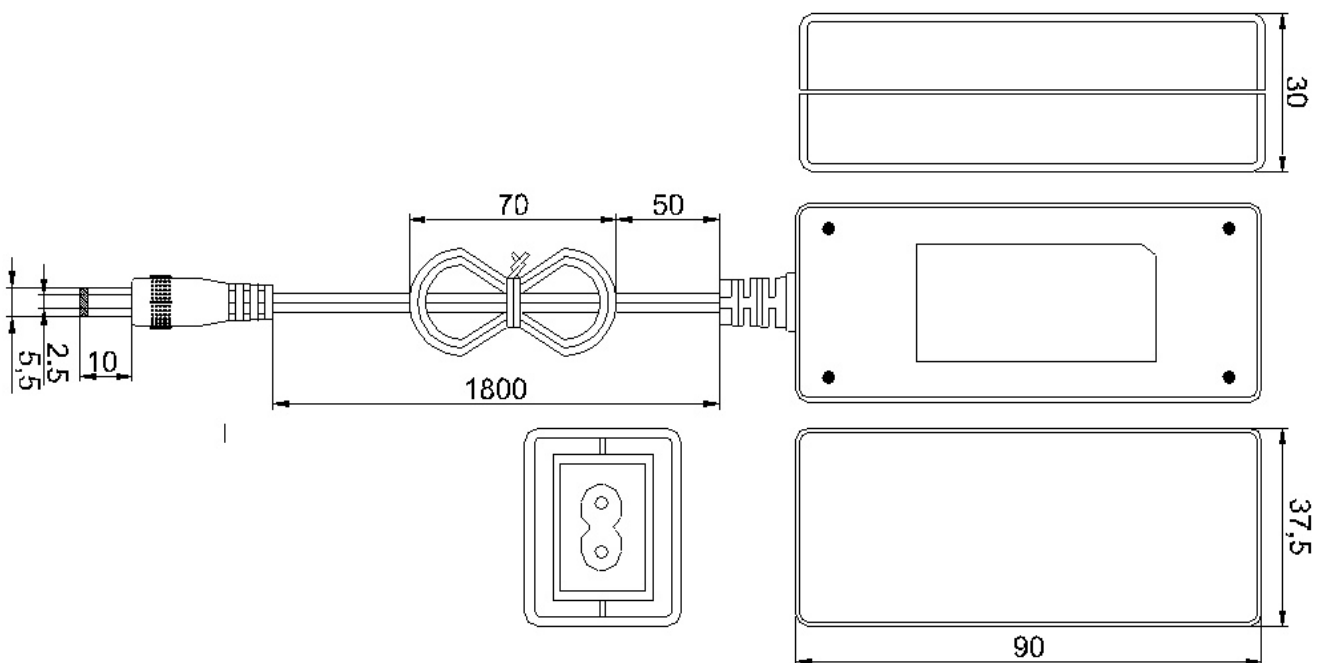
- UL/CUL (UL60950-1)
- CE/CB (EN60950-1)
- EMC standard: EN55022 and FCC part 15 (class B)



Ordering Information

Part Number	Input Volts	Output Volts	Road	Max Power	Regulation	Ripple P/P (PARD)
BI13-XXXXXX-E	100~240 Vac	3V-4.5V	0.1-2.7A	9 W	± 5%	50mV
BI13-XXXXXX-E	100~240 Vac	4.6V-24V	0.1-2.83A	13 W	± 5%	50-250mV

Mechanical Drawing



Notes:

1. Dimensions shown in mm as left.
2. Size: 90 x 37.5x 30mm (+/-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