

DY TECHNOLOGY

Inverter IM-3

Product Data Sheet

Description

IM-3 is a small Portable **Battery Pack Inverter** designed to drive up to 1m (3.3 ft) of EL Wire

Features

- Two operating modes:
 Continuous and Blinking
- Portable & Light
- Battery operated by 2 x AAA batteries
- Low power consumption.
- Low audible noise
- CE approved

Applications

- Do it yourself
- Fashion and Bags accessories
- Sport accessories: night jogging
 bicycle riders and more
- Home made signs
- Party and event centerpiece

Mechanical Specifications

Dimensions (LxWxH): 75 x 23 x 15 (mm)
 2.9 x 0.9 x 0.6 (inch)

Weight: 44 g (with batteries)

Operating Temperature: -10 ÷ 60 (°C)

Storage Temperature: -20 ÷ 65 (°C)

Relative Humidity: 70% RH

Electrical Specifications

- Input Voltage: 2.1 – 3.0 (VDC)

- Battery Type: 2 x AAA 1.5 (VDC)

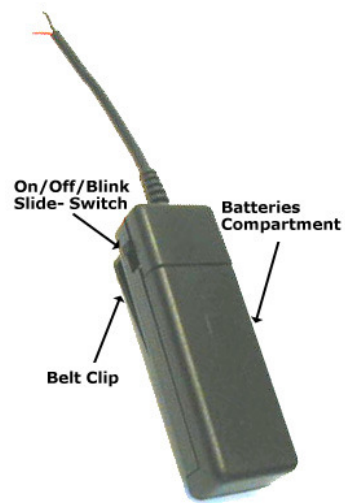
- Input Current Range (with load): 65 - 120 (mA)

- Output Frequency: 3.1 – 4.3 (kHz)

- Output Voltage Range: 86 - 119 (Vrms)

- EL fiber Length: 0.4 - 1 (meter)

- Battery Lifetime for 0.65m EL Wire
(Operating with Alkaline batteries): 54 hours – blinking (0.65m)
 20 hours – continuous (0.65m)



| Input Voltage | EL Wire Length | | Input Current | Output Voltage | Frequency |
|------------------|----------------|-----|---------------|----------------|-----------|
| | [VDC] | [m] | | | |
| 2.5 | 0.4 | 1.3 | 65 | 101 | 4.1 |
| 2.5 | 0.8 | 2.6 | 80 | 89 | 3.3 |
| 2.5 | 1.0 | 3.3 | 85 | 86 | 3.1 |
| 3 | 0.4 | 1.3 | 85 | 119 | 4.3 |
| 3 | 0.8 | 2.6 | 100 | 100 | 3.5 |
| 3 | 1.0 | 3.3 | 120 | 98 | 3.3 |
| Tolerance | ± 2% | | ± 10% | ± 5% | ± 5% |

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