

Mini Driver IB-8

Product Data Sheet

Description

IB-8 is a small portable battery pack inverter designed to drive up to 45cm (1.5ft) of LyTec™ Wire.

Features

- Operating mode: Blinking.
- Portable.
- Battery operated by two CR2032 cells.
- Low power consumption.
- Indoor use.

Applications

- Do it yourself.
- Home decoration.
- Car decoration.
- Improves visibility for night jogging and bicycle riders.
- Home made signs.
- Party and event centerpiece.

Electronical Specifications

- Input Voltage: 5 ÷ 6 (VDC)
- Battery Type: two CR2032 cells
- Input Current Range (with load): 21 ÷ 32 (mA)
- Output Frequency: 8.5 ÷ 11.7 (KHz)
- Output Voltage Range: 71 ÷ 85 (Vrms)
- LyTec™ Wire Length: 15 ÷ 45 (cm)
- Battery Lifetime when operated
4 hours per day: over 25 hours

Mechanical Specifications

- Dimensions (LxWxH): 42 x 22 x 10 (mm)
1.6 x 0.9 x 0.4 (inch)
- Weight: 13 g (with batteries)
- Operating Temperature: -10 ÷ 60 (°C)
- Storage Temperature: -20 ÷ 65 (°C)
- Relative Humidity: 70% RH

| Input Voltage | LyTec™ Length | | Input Current | Output Voltage | Freq |
|---------------|---------------|------|---------------|----------------|------|
| | [VDC] | [cm] | | | |
| 4.0 | 15 | 0.5 | 14 | 58 | 11.4 |
| 4.0 | 25 | 0.8 | 16 | 57 | 9.7 |
| 4.0 | 35 | 1.1 | 17 | 57 | 8.7 |
| 4.0 | 45 | 1.5 | 18 | 56 | 8.2 |
| 5.0 | 15 | 0.5 | 21 | 74 | 11.3 |
| 5.0 | 25 | 0.8 | 22 | 72 | 9.9 |
| 5.0 | 35 | 1.1 | 23 | 71 | 9.1 |
| 5.0 | 45 | 1.5 | 25 | 71 | 8.5 |
| 6.0 | 15 | 0.5 | 27 | 88 | 11.7 |
| 6.0 | 25 | 0.8 | 28 | 87 | 10.3 |
| 6.0 | 35 | 1.1 | 30 | 86 | 9.5 |
| 6.0 | 45 | 1.5 | 32 | 85 | 8.9 |
| Tolerance | ± 2% | | ± 10% | ± 5% | ± 3% |



Inverter IF-4

Product Data Sheet

Description

IF-4 is a small portable battery pack inverter designed to drive up to 2m (6.6ft) of LyTec™ Wire.

Features

- Two operating modes:
Continuous and Blinking.
- Portable.
- Battery operated by two AA 1.5VDC.
- Low power consumption.
- Low audible noise.
- Indoor use.



Applications

- Do it yourself.
- Home decoration.
- Car decoration.
- Improves visibility for night jogging and bicycle riders.
- Home made signs.
- Party and event centerpiece.

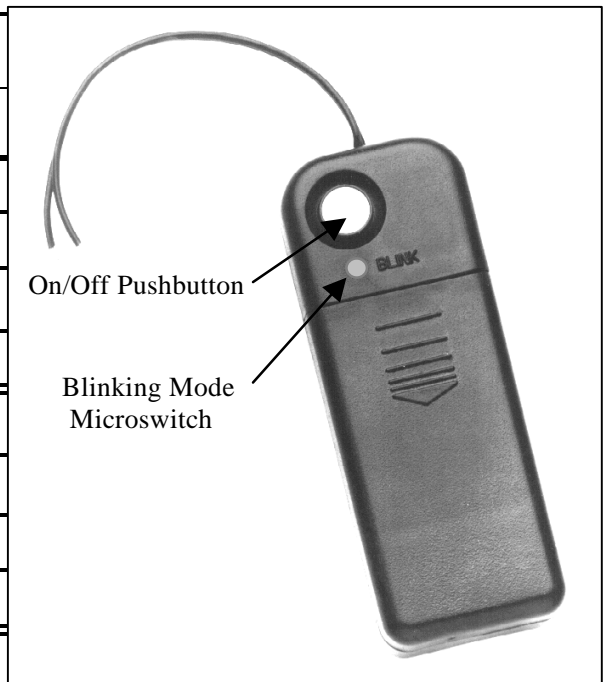
Electronical Specifications

- Input Voltage: 2.5 ÷ 3 (VDC)
- Battery Type: two AA 1.5 (VDC)
- Input Current Range (with load): 76 ÷ 105 (mA)
- Output Frequency: 3.4 ÷ 16.5 (KHz)
- Output Voltage Range: 72 ÷ 105 (Vrms)
- LyTec™ Wire Length: 0.5 ÷ 2 (meter)
- Battery Lifetime for 1.2m Wire: 97 hours - blinking
27 hours - continuous

Mechanical Specifications

- Dimensions (LxWxH): 87 x 33 x 19 (mm)
3.4 x 1.3 x 0.7 (inch)
- Weight: 80 g (with batteries)
- Operating Temperature: -10 ÷ 60 (°C)
- Storage Temperature: -20 ÷ 65 (°C)
- Relative Humidity: 70% RH

| Input Voltage | LyTec™ Length | | Input Current | Output Voltage | Freq |
|------------------|---------------|-----|---------------|----------------|------|
| | [VDC] | [m] | | | |
| 2.5 | 0.5 | 1.6 | 76 | 95 | 6.6 |
| 2.5 | 1.0 | 3.3 | 99 | 88 | 4.8 |
| 2.5 | 1.5 | 4.9 | 103 | 78 | 4.0 |
| 2.5 | 2.0 | 6.6 | 109 | 72 | 3.5 |
| 3 | 0.5 | 1.6 | 108 | 115 | 6.5 |
| 3 | 1.0 | 3.3 | 143 | 106 | 4.7 |
| 3 | 1.5 | 4.9 | 163 | 98 | 3.9 |
| 3 | 2.0 | 6.6 | 175 | 89 | 3.4 |
| Tolerance | ± 2% | | ± 10% | ± 3% | ± 3% |



Inverter IF-8

Product Data Sheet

Description

IF-8 is a small portable battery pack inverter designed to drive up to 2m (6.6ft) of LyTec™ Wire.

Features

- Two operating modes: Continuous and Blinking.
- Portable.
- Battery operated by two AA 1.5VDC.
- Low power consumption.
- Low audible noise.
- Indoor use.

Applications

- Do it yourself.
- Home decoration.
- Car decoration.
- Improves visibility for night jogging and bicycle riders.
- Home made signs.
- Party and event centerpiece.



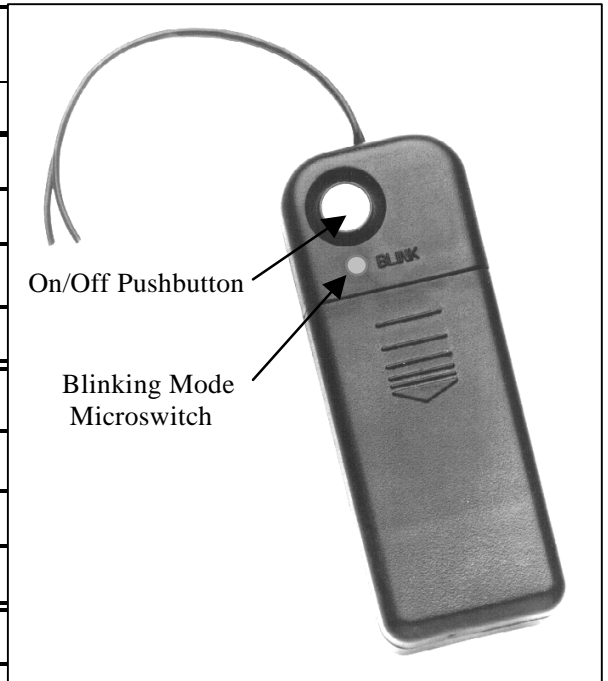
Electronical Specifications

- Input Voltage: 2.5 ÷ 3 (VDC)
- Battery Type: two AA 1.5 (VDC)
- Input Current Range (with load): 134 ÷ 300 (mA)
- Output Frequency: 6.5 ÷ 12.3 (KHz)
- Output Voltage Range: 77 ÷ 113 (Vrms)
- LyTec™ Wire Length: 0.5 ÷ 2 (meter)
- Battery Lifetime for 1.2m Wire: 39 hours - blinking
8 hours - continuous

Mechanical Specifications

- Dimensions (LxWxH): 87 x 33 x 19 (mm)
3.4 x 1.3 x 0.7 (inch)
- Weight: 80 g (with batteries)
- Operating Temperature: -10 ÷ 60 (°C)
- Storage Temperature: -20 ÷ 65 (°C)
- Relative Humidity: 70% RH

| Input Voltage | LyTec™ Length | | Input Current | Output Voltage | Freq |
|------------------|---------------|-------|---------------|----------------|------|
| | [m] | [ft] | | | |
| 2.5 | 0.5 | 1.6 | 134 | 94 | 12.3 |
| 2.5 | 1.0 | 3.3 | 164 | 88 | 8.9 |
| 2.5 | 1.5 | 4.9 | 174 | 82 | 7.4 |
| 2.5 | 2.0 | 6.6 | 184 | 77 | 6.5 |
| 3 | 0.5 | 1.6 | 190 | 113 | 11.9 |
| 3 | 1.0 | 3.3 | 245 | 105 | 8.7 |
| 3 | 1.5 | 4.9 | 278 | 99 | 7.3 |
| 3 | 2.0 | 6.6 | 300 | 93 | 6.5 |
| Tolerance | ± 2% | ± 10% | ± 3% | ± 3% | ± 3% |



Inverter CD-4K

Product Data Sheet

Description

CD-4K is an ideal inverter for use in car applications.

Features

- Operating mode: Continuous.
- Low power consumption.
- Automatic activation in the dark controlled by a built-in photo-sensor.
- Indoor use.

Applications

- Automotive.
- Home.
- Do it yourself.
- Parties.

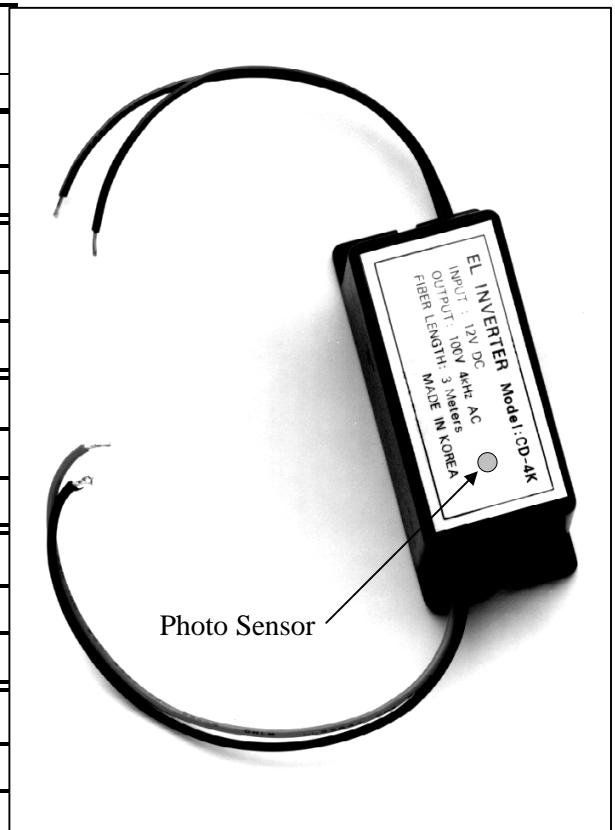
Electronical Specifications

- Input Voltage: 9 ÷ 14 (VDC)
- Input Current Range (with load): 0.14 ÷ 0.19 (A)
- Output Frequency: 3.2 ÷ 5.7 (KHz)
- Output Voltage Range: 87 ÷ 119 (Vrms)
- LyTec™ Wire Length: 1 ÷ 5 (meter)
- Operating Voltage of Photo-Sensor: 10 ÷ 14 (VDC)

Mechanical Specifications

- Dimensions (LxWxH): 66 x 27 x 25 (mm)
2.6 x 1.1 x 1.0 (inch)
- Weight: 48 g
- Operating Temperature: -10 ÷ 60 (°C)
- Storage Temperature: -20 ÷ 65 (°C)
- Relative Humidity: 70% RH

| LyTec™ Length | | Input Voltage | Input Current | Frequency | Output Voltage |
|------------------|------|------------------|------------------|-----------|-------------------|
| [m] | [ft] | [VDC] | [mA] | [KHz] | [Vrms] |
| 1 | 3.3 | 12 | 150 | 5.6 | 150 |
| 1 | 3.3 | 14 | 150 | 5.7 | 150 |
| 2 | 6.6 | 9 | 170 | 4.4 | 170 |
| 2 | 6.6 | 12 | 140 | 4.6 | 140 |
| 2 | 6.6 | 14 | 150 | 4.6 | 150 |
| 3 | 19.8 | 9 | 150 | 3.9 | 150 |
| 3 | 19.8 | 12 | 150 | 4.0 | 150 |
| 3 | 19.8 | 14 | 160 | 4.0 | 160 |
| 4 | 13.2 | 9 | 150 | 3.5 | 150 |
| 4 | 13.2 | 12 | 160 | 3.6 | 160 |
| 4 | 13.2 | 14 | 170 | 3.6 | 170 |
| 5 | 16.5 | 9 | 160 | 3.2 | 160 |
| 5 | 16.5 | 12 | 180 | 3.2 | 180 |
| 5 | 16.5 | 14 | 190 | 3.3 | 190 |



Inverter List

| Cat. # | P/N | Input Voltage | Lytec length | | Brightness | Operation Mode | Mounting | Approvals | | Features |
|-------------|--------------|---------------|--------------|--------------|------------|--|------------|------------|----|-------------|
| | | | (m) | (ft) | | | | CE | UL | |
| 81 023 00/1 | ISW 3293-GR | 3 | 1.5 - 5.0 | 4.9 - 16.4 | Standard | Continuous | Wire leads | - | - | |
| 81 024 00/1 | ISW 3294-BL | 3 | 1.5 - 5.0 | 4.9 - 16.4 | High | Blinking | Wire leads | - | - | |
| 81 021 10/1 | IFW 3262 | 9 | 1.5 - 3.0 | 4.9 - 9.8 | High | Continuous | Wire leads | - | - | |
| 81 025 00/1 | ISW 3306-GR | 9 | 1.5 - 5.0 | 4.9 - 16.4 | Standard | Continuous | Wire leads | - | - | |
| 81 026 00/1 | IFW 3306-BL | 9 | 1.5 - 5.0 | 4.9 - 16.4 | Ultra High | Continuous | Wire leads | - | - | |
| 81 031 01/1 | ISP 5541-400 | 9 | 8.0 - 15.0 | 26.2 - 49.2 | Standard | Continuous | pc board | - | - | |
| 81 032 00/1 | IFW 5541-2K | 9 | 8.0 - 15.0 | 26.2 - 49.2 | High | Continuous | Wire leads | - | - | |
| 81 041 00/1 | ISW 7545 | 9 | 10.0 - 40.0 | 32.8 - 131.2 | Standard | Continuous | Wire leads | - | - | |
| 81 042 00/1 | IFW 7610 | 12 | 10.0 - 35.0 | 32.8 - 114.8 | High | Continuous | Wire leads | - | - | |
| 81 053 00/1 | ISW 9674 | 12 | 35.0 - 100 | 114.8 - 328 | Standard | Continuous | Wire leads | - | - | |
| 81 054 00/1 | IFW 9673 | 12 | 30.0 - 100 | 98.4 - 328 | High | Continuous | Wire leads | - | - | |
| 81 111 00/3 | CD-4K | 12 | 2.0 - 4.0 | 6.6 - 13.1 | Ultra High | Continuous, controlled by photo- cell | Wire leads | In process | | Car Applic. |