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## ISOLATED DC/DC ADAPTER

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This Lind DC-DC Power Adapter provides a regulated DC output to power laptops and peripherals from a DC voltage source (see adapter label for acceptable DC voltage range). The adapters are housed in rugged aluminum extrusions for durability and the internal components are epoxy sealed for shock, vibration and dust resistance.

Voltage spikes or surges occurring on the input voltage line will be filtered by the adapter eliminating potential damage to the powered device. Electrical isolation between input and output prevents ground loops and allows the output to be used as a negative voltage if required.



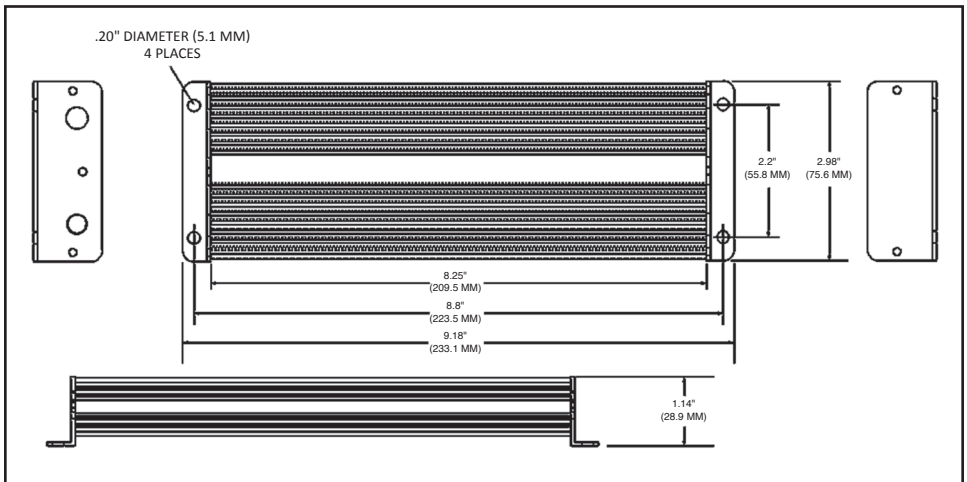
- Full continuous rated power output.
- Adapters are available for most laptop models and mobile devices.
- Sealed and potted in aluminum extrusions to withstand the harshest operating environments.
- Multiple power connection options available.

# OPERATING INSTRUCTIONS

Install the power adapter in a location that allows for air flow around the adapter. Restricted air flow around the adapter may cause the adapter to overheat and shut down. This is a safety feature and will not harm the adapter or your device. Do not mount the adapter in such a way that heat can not dissipate. This adapter is not intended to be installed in the engine compartment or any other place where it can be exposed to moisture or excessive heat.

The adapter is provided with flanged ends that have pre-drilled holes for mounting. See the drawing below for mounting dimensions. Choose a mounting place where damage will not occur to the adapter or any critical wiring in vicinity.

The input cable will be supplied with a pre-specified power input connector or it may be supplied with bare wire leads for direct input voltage connection or to an appropriate mating connector of user's discretion. When bare wire leads are provided, the black wire will always be common ground (-negative). The adapter as supplied is fused. Do not permanently remove fusing during installation. The input connector is then plugged into the appropriate mating connector of the DC voltage source. The output cable plugs directly into the DC input jack of the laptop or device.



*Cables and dimensions may vary for custom models.*

# TECHNICAL INFORMATION (STANDARD MODEL)

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## DC INPUT CHARACTERISTICS

|                              |                        |
|------------------------------|------------------------|
| Input:                       | Noted on adapter label |
| Low Input Voltage Shutdown:  | Auto Recovery          |
| High Input Voltage Shutdown: | Auto Recovery          |
| Reverse Polarity:            | Auto Recovery          |

## DC OUTPUT CHARACTERISTICS

|                           |                          |
|---------------------------|--------------------------|
| Output Voltage:           | Noted on adapter label   |
| Short Circuit Protection: | Auto Recovery            |
| Isolation Voltage:        | Input to Output Isolated |
|                           | 500 VDC Input - Output   |
|                           | 500 VDC Input - Chassis  |
|                           | 100 VDC Output - Chassis |

## INDICATORS

|                |                           |
|----------------|---------------------------|
| LED on Adapter |                           |
| On Steady:     | Output Power OK           |
| 1 Flash:       | Over Temperature Shutdown |
| 2 Flashes:     | Over Current Shutdown     |
| 3 Flashes:     | Over Voltage Shutdown     |

## PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

|                        |  |
|------------------------|--|
| Operating Temperature: | -40 — 40°C (-40 — 104° F)                          |
| Storage Temperature:   | -40 — 80° C (-40 — 176° F)                         |
| Enclosure:             | Extruded Aluminum                                  |
| Finish:                | Black Anodized                                     |
| Weight:                | 25 ounces (0.7kg)                                  |
| Dimensions:            | 9.18 x 2.98 x 1.14 inches (233.1 x 75.6 x 28.9 mm) |
| Mounting Hole Size:    | 0.20 inch (5.1 mm)                                 |

## FOLLOWING INFORMATION IS ONLY FOR EU-MEMBER STATES:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



## LIMITED WARRANTY

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Lind Electronics, Inc. (LIND) warrants the circuit assembly portion of products manufactured by it to be free of defects in material and workmanship for a period of 1 year from the date of purchase under normal use. During this warranty period, LIND will, at its option, repair or replace the product at no charge for parts or labor when the product is returned postage paid as a complete unit to LIND. Proof of purchase and a letter explaining the problem must accompany the returned unit.

This warranty does not apply if any part of the adapter, its cables or connection jacks have been altered, subjected to abuse, accident or misuse. This warranty excludes incidental or consequential damage resulting from the product or the use of the product. This warranty is in lieu of all other warranties expressed or implied and no person is authorized to assume for LIND any other liability in conjunction with this product. The warranty gives you, the purchaser, specific legal rights and you may have other rights which may vary from state to state and country to country.

The LIND product you are purchasing has not been designed for, or certified for use in, life support applications. Any such use is at your own risk. LIND ELECTRONICS, INC. HEREBY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Lind Electronics, Inc. will not be liable for any claims, awards, damages or other liability arising out of the use of LIND products for life support applications whether in the nature of direct, indirect, consequential, special or punitive damages.



**Lind Electronics, Inc.**

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