



MILITARY PRODUCT CATALOG

RUGGED. RELIABLE. RESPONSIVE.™

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MOUNT IT. POWER IT. CARRY IT.



Lind Electronics is part of the Gamber-Johnson tree. Gamber-Johnson is a global name known for providing industry-leading mounting solutions to support many, diverse industries, most notably the public sector, material handling, logistics, and enterprise. The GJ portfolio of product offerings has grown with strategic additions to our family of brands to support a broader offering and full service mounting, powering and carrying solution.



From humble beginnings, our passion for innovation propelled us to the forefront of the industry, earning Lind Electronics a reputation for reliability and durability.

YOUR TRUSTED MOBILE POWER SPECIALISTS

In the heart of innovation’s crucible, Lind Electronics was forged—a beacon of power and precision amidst the dynamic landscape of mobile technology. Founded in 1975 by the visionary Leroy Lind, our journey began in the basement of his Minnetonka home. It was under the name Modular Instruments Company where the seeds of ingenuity were sown.

In 1984, Leroy moved out of his basement and changed the name to Lind Electronic Design Co., Inc. It was during this time Lind became active in the Apple community and Leroy started to receive requests from Apple for products to use for their first “portable” computers. In 1989, Lind introduced a battery pack for Apple Computers.

With a fervent belief in the transformative potential of portable power, Lind Electronics embarked on a quest to redefine the possibilities of mobile computing. Armed with a pioneering spirit and a commitment to excellence, we set out to create power solutions that would fuel the aspirations of a rapidly evolving world.

From humble beginnings, our passion for innovation propelled us to the forefront of the industry, earning

Lind Electronics a reputation for reliability and durability.

As the digital revolution swept across the globe, our power adapters became indispensable companions to professionals navigating the frontiers of technology. With each passing year, Lind Electronics expanded its horizons, diversifying its product offerings to serve a multitude of industries. From public safety to transportation, military to healthcare, our power solutions found homes in the most demanding environments, powering missions critical to the fabric of society.

Driven by a relentless pursuit of excellence, Lind Electronics continues to push the boundaries of possibility. Our commitment to innovation knows no bounds, as we leverage cutting-edge technology to engineer power solutions that surpass expectations and defy limitations.

As we look to the future, Lind Electronics remains steadfast in its mission to empower the world with uncompromising power solutions. With a rich history steeped in innovation and a vision poised for the next frontier, we stand ready to illuminate the path forward, one charge at a time.

FOLLOW US FOR UPDATES AND NEWS



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Want to stay in the loop with the latest innovations in power adapter technology? Follow Lind Electronics on social media and be the first to know about our cutting-edge products, exclusive updates, expert tips and industry insights!

HASHTAG:

#LindElectronics #RuggedReliableResponsive #TeamLind #MobilePowerSpecialists

MOBILE POWER SOLUTIONS FOR RUGGED APPLICATIONS

At Lind Electronics, we recognize the pivotal role of dependable power in maintaining operational readiness for your tactical vehicles and equipment. That's why we are committed to providing advanced mobile power solutions tailored specifically for military applications. Our robust and reliable power adapters guarantee sustained operation of your vehicles, minimizing downtime and enhancing mission effectiveness. To determine the optimal solution for your military vehicle, start by considering these critical questions:



01

WHAT DEVICE IS BEING POWERED?

Identifying your device ensures that you get the correct power adapter to support your specific need and desired connectivity.

02

WHAT IS THE VEHICLE'S VOLTAGE?

By knowing the voltage or power requirement of your military vehicle we can ensure that you get the appropriate power supply for your specific need.

03

ARE LIND POWER ADAPTERS COMPATIBLE WITH MY DEVICE?

We offer a wide range of power adapters that are compatible with most laptops, tablets, and other electronic devices. Please check our product specifications or contact our customer support team for assistance in finding the right adapter for your device.

04

DOES LIND OFFER CUSTOM POWER SOLUTIONS?

Yes, we provide custom power solutions tailored to meet your specific needs. Our engineering team works closely with customers to develop power solutions that address unique requirements and challenges. Contact us to discuss your custom power needs.

EXPLORE LIND'S MILITARY POWER SOLUTIONS

Why Choose Lind Electronics for Your Military Power Needs?



1. RUGGED DURABILITY

Our mobile power solutions are designed to conquer the harshest terrains and the most demanding tasks. Wherever your mission takes you, Lind Electronics products are crafted to endure and excel in the toughest conditions.



2. HIGH-EFFICIENCY PERFORMANCE

We take pride in our solutions, meticulously engineered to keep you powered and operational for the entirety of your missions. When the job demands your full focus, without the hassle of changing batteries, trust Lind Electronics to have your back.



3. INCREASED PRODUCTIVITY

Our products are designed to boost productivity by minimizing maintenance needs and unnecessary downtime. Lind mobile power solutions propel you through your mission, ensuring nothing slows you down.



4. EASY INTEGRATION

Lind Electronics power adapters are crafted for effortless integration into your existing military systems. With straightforward installation and user-friendly design, our solutions ensure a seamless transition with minimal distraction from your job.



**MIL STANDARD
ADAPTERS**



TIMERS



**USB-C
ADAPTERS**

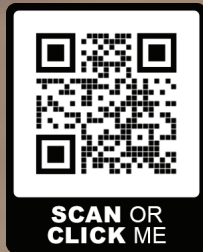


**BATTERY
CHARGERS**

MIL-STD POWER ADAPTERS

MILITARY GRADE POWER SOLUTIONS BUILT TO LAST AND WITHSTAND YOUR CIRCUMSTANCES.

Lind Electronics offers a comprehensive selection of power solutions that are meticulously crafted to meet and exceed stringent military standards. Our military-standard power adapters are engineered with precision to ensure they meet the exacting criteria required by military operations. Renowned for their unparalleled reliability, durability, and efficiency, these adapters are the top choice for powering critical devices, including laptops, tablets, and ruggedized equipment. Featuring advanced protection mechanisms such as over-voltage, over-temperature, and short-circuit protection, our power adapters guarantee both the safety of your devices and their long-lasting performance. Designed to operate flawlessly under the most extreme conditions, our adapters are the ideal solution for any harsh environment where failure is not an option.



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MIL-STD POWER ADAPTERS

FEATURES

- Low Input Voltage Shutdown: Auto Recovery
- High Input Voltage Shutdown: Auto Recovery
- Reverse Polarity Protection

TECHNICAL INFORMATION

- Input Voltage: 22 to 32 VDC
- Output Power: 120W
- Ripple + Noise: 300 mVp-p max
- Operating Temperature: -40° to +50°C
- Storage Temperature: -40° to +85°C
- Agency Approvals: CE, RoHS, WEEE, MIL-STD461G, MILSTD810G, RTCA/DO-160D Section 21, MIL-STD1275D
- High and Low Temp: meets MIL-STD-810G (501.4 and 502.4)
- Temp Shock: meets MIL-STD810G (503.4)
- Vibration: meets MIL-STD-810G (514.5,proc. I) Category 20 Ground Vehicles
- Humidity: meets MIL-STD-810G (507.4)
- Sand and Dust: meets MIL STD810G (510.4)
- EMI/RFI Characteristics: meets MILSTD461G, CE102, CS101, CS114, CS115, CS116, RE102, RS101, RS103
- Input Transient Protection: meets MILSTD1275D, Voltage Surge +100 VDC, Voltage Spike +/-250 VDC



The Lind MIL-STD Military Power Adapter delivers true continuous power to your laptop or mobile device. The adapter simultaneously powers the laptop and charges its internal battery from any 22-32 volt DC power source. This adapter is designed to meet MIL-STD461G and MIL-STD810G.

Lind power adapters incorporate the highest degree of circuit protection for your devices and our robust design makes our products well-suited for use in rugged mobile environments and applications. The adapter's electronics are shielded by a rugged epoxy-sealed case to protect the internal circuits from damage caused by shock and/or vibration. The case is designed with a finned exterior to improve heat dissipation.

DC/DC MILITARY POWER ADAPTER



The Lind DC/DC Military Power adapter delivers true continuous power to your Getac-compatible laptop. The adapter simultaneously powers the laptop and charges its internal battery from any 11-32 volt DC power source. These fully rugged MIL SPEC adapters meet the most common electrical and environmental MIL-Standards: MIL-STD461G, MILSTD1275D, and MILSTD810G. They are epoxy encapsulated and sealed to resist shock, moisture and dust, as well as complying to RTCA/DO160D, Section 21 standard.

Lind is highly regarded worldwide for our ability to design, engineer and manufacture custom mobile power solutions that meet specific industry and environmental standards. That means no matter if you are taking your laptop into the desert, or you are using a tablet in the Amazon rainforest; our adapters and chargers will charge your device and keep you moving, working and connected.

FEATURES

- Low Input Voltage Shutdown: Auto Recovery
- High Input Voltage Shutdown: Auto Recovery
- Reverse Polarity Protection
- Custom cable options available

TECHNICAL INFORMATION

- Input Voltage: 11-32 VDC
- Output Power: up to 95W
- Ripple + Noise: 300 mVp-p max
- Operating Temperature: -40° to +50°C
- Storage Temperature: -40° to +85°C
- Agency Approvals: CE, RoHS, WEEE, MIL-STD461G, MILSTD810G, RTCA/DO-160D Section 21, MIL-STD1275D
- High and Low Temp: meets MIL-STD-810G (501.4 and 502.4)
- Temp Shock: meets MIL-STD810G (503.4)
- Vibration: meets MIL-STD-810G (514.5, proc. I) Category 20 Ground Vehicles
- Humidity: meets MIL-STD-810G (507.4)
- Sand and Dust: meets MIL STD810G (510.4)
- EMI/RFI Characteristics: meets MILSTD461G, CE102, CS101, CS114, CS115, CS116, RE102, RS101, RS103
- Input Transient Protection: meets MILSTD1275D, Voltage Surge +100 VDC, Voltage Spike +/-250 VDC

MIL-STD POWER ADAPTERS

FEATURES

- Low Input Voltage Shutdown: LIVCO with Auto Recovery
- High Input Voltage Shutdown: HIVCO with Auto Recovery
- Reverse Polarity Protection
- 1-year warranty

TECHNICAL INFORMATION

- Input Voltage: 11-32 VDC
- Output Power: up to 60W
- Output Power Indicator: Green LED on adapter
- Ripple + Noise: 100 mVp-p max
- Operating and Temperature: -40° to +50°C
- Storage Temperature: -40° to +85°C
- Agency Approvals: CE, RoHS, WEEE, MIL-STD461G, MILSTD810G, RTCA/DO-160D Section 21, MIL-STD1275D
- High and Low Temp: meets MIL-STD-810G (501.4 and 502.4)
- Temp Shock: meets MIL-STD810G (503.4)
- Vibration: meets MIL-STD-810G (514.5,proc. I) Category 20 Ground Vehicles
- Humidity: meets MIL-STD-810G (507.4)
- Sand and Dust: meets MIL STD810G (510.4)
- EMI/RFI Characteristics: meets MILSTD461G, CE102, CS101, CS114, CS115, CS116, RE102, RS101, RS103
- Input Transient PROTECTION: meets MILSTD1275D, Voltage Surge +100 VDC, Voltage Spike +/-250 VDC



The Lind MIL DC/DC Military Power Adapter delivers true continuous power to your mobile device. The adapter simultaneously powers the ethernet-compatible device and charges its internal battery from any 11-32 volt DC power source. This adapter is designed to meet MIL- STD461F, MIL-STD810G and MIL-STD1275D electrical and environmental standards.

Connect the adapter's bare wire leads to the vehicle battery or any 11-32 volt DC power source. Then plug the adapter's output cable into the power jack of the mobile device. The adapter automatically conditions and regulates this voltage to provide the correct DC voltage for the mobile device.

Voltage spikes or surges occurring on the input will be filtered by the adapter, eliminating possible damage to the mobile device caused by supply voltage variations. The adapter is housed in a rugged aluminum epoxy-sealed case for added durability, and is sealed for protection against moisture and high humidity.

DUAL USB OUTPUT DC/DC ADAPTER



The Lind Dual USB Output DC/DC Adapter allows you to charge your low power devices via USB using one of three different input cable options: a NATO Slave input cable; an input cable with a BA-5590 or BB-2590 military battery connector; or a cigarette lighter input cable.

The Dual USB Output DC/DC Adapter provides a regulated DC output for charging cell phones, cameras, and other mobile devices using a USB power connection.

Lind power adapters incorporate the highest degree of circuit protection for your devices and our robust design makes our products well-suited for use in rugged mobile environments and applications. The adapter's electronics are shielded by a rugged epoxy-sealed case to protect the internal circuits from damage caused by shock and/or vibration. The case is designed with a finned exterior to improve heat dissipation.

FEATURES

- Simultaneously power up to 2 USB devices
- 3 input connector options
- Output Current Limit Protection
- Regulated DC output for charging USB devices
- Rugged aluminum extrusion
- Epoxy sealed components

TECHNICAL INFORMATION

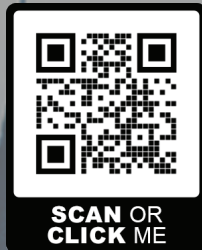
- Power Input: 12 - 32 VDC
- Power Output: 15W (max, both channels)
- Output Current: 3.0A (max, both channels)
- Dimensions (approx.): 2.80 x 2.28 x .98 inches (71 x 58 x 25 mm) excluding cables
- Weight (approx.): .6 pounds (.27kg) excluding cables



POWER ADAPTERS

**MAINTAIN POWER IN YOUR MILITARY VEHICLE SO YOUR
TABLET OR LAPTOP CAN WORK AS LONG AS YOU DO.**

Lind Electronics is renowned for manufacturing high-quality power adapters, which are specifically designed to meet the rigorous demands of rugged environments. Our power adapters are known for their reliability, durability, and efficiency, making them a preferred choice for powering a wide range of devices, including laptops, tablets, and ruggedized equipment. Lind power adapters often feature advanced protection mechanisms, such as over-voltage, over-temperature, and short-circuit protection, ensuring the safety and longevity of both the adapter and the connected devices. Additionally, they are designed to operate under extreme conditions, making them suitable for use in harsh environments.



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MOUNTABLE POWER ADAPTER

FEATURES

- Low Input Voltage Disconnect
- High Input Voltage Disconnect
- Output Short Circuit Protection
- Output Overcurrent Protection
- Internal Over Temperature Protection
- Automatic Restart 10 seconds after Fault Removal
- Field Replaceable Cables (most models)
- LED Output Power Present Indicator on Adapter
- LED Input Power Present Indicator on Cig Plug (most models)
- Mountable housing using four #8 screws (not included)
- Output power up to 120W
- Custom cable options available

TECHNICAL INFORMATION

- Input Voltage: 11 - 16 VDC or 12 - 32 VDC (depending on model)
- Output Voltage: 12 - 24 VDC (others available - contact Lind)
- Input Fuse: 15A ATO Mini Fuse in adapter
- Weight (approx.): .86 lbs (.39 kg) excluding cables
- Dimensions (approx.): 5.61 x 3.05 x 1.03 inches (143 x 77 x 26)



Lind Mountable Power Adapters (80 - 120 watt series) are designed for installation to a flat surface area without the use of clamps, brackets or tie wraps. Slotted screw holes are molded in each corner for easy installation.

Lind's Mountable Power Adapters adjust, condition and regulate the power from the input to the correct DC voltage required for proper operation of the laptop. Voltage spikes or surges occurring on the voltage line are filtered by the adapter to eliminate the possibility of damage to the laptop due to input voltage variations.

Lind Power Adapters incorporate the highest degree of circuit protection for your Toughpad and the adapter itself. The adapter's electronics are housed in a rugged plastic case, filled and sealed with epoxy potting material. This protects the adapter from potential damage by shock, vibration, water and dust, and also guarantees improved heat dissipation.

This Lind Power Adapter incorporates field-replaceable input and output cables, thus, making servicing easy and efficient.

AUTO POWER ADAPTER (70W)



Charge your laptop from the ground or in the air using a Lind Auto Power Adapter. These adapters charge laptops requiring 70 watts of power or less.

Lind's Power Adapters are designed to accept input voltages from 11-16 volt DC or 12-32 volt DC power sources, including automobiles, military vehicles or batteries. Output voltages and connectors are available to power nearly all laptop computers currently in use. Custom input and output characteristics can be programmed into these adapters for special applications.

Special connector, packaging and mounting configurations are available (contact a Lind Sales Representative).

Lind Power Adapters incorporate the highest degree of circuit protection for your laptop or tablet and the adapter itself. The adapter's electronics are housed in a rugged aluminum or plastic case, filled and sealed with epoxy potting material.

FEATURES

- Low Input Voltage Disconnect
- High Input Voltage Disconnect
- Output Short Circuit Protection
- Output Overcurrent Protection
- Internal Over Temperature Protection
- LED on adapter indicates output power is present
- LED on cig plug indicates input power is present (most models)
- Output power up to 70W
- Custom cable options available

TECHNICAL INFORMATION

- Dimensions (Approx.): 5.35 x 2.4 x 1.25 inches (136 x 61 x 32 mm) excluding cables
- Weight (Approx.): .58 pounds (.26 kg) excluding cables
- Input Voltage Range: 11 - 16 VDC or 12 - 32 VDC (depending on model)
- Output Voltages Available: 12 - 24 VDC (others available - contact Lind)
- Input Fuse: 8A, 3AG in input cable

100W USB-C POWER ADAPTER

FEATURES

- Low Input Voltage Cut Off (LIVCO)
- 10-sec LIVCO delay
- High Input Voltage Cut Off
- Output Overcurrent Protection
- Internal Over Temperature Protection
- VBUS to CC short protection
- High Output Voltage Limit
- Automatic Restart of Adapter
- ESD protection on VBUS, CC lines
- Full current-limiting capability in PPS mode
- Supported USB-C Charging Protocols:
 - USB-C
 - USB PD 3.0
 - USB BC 1.2 (legacy charging)
- Custom cable options available

TECHNICAL INFORMATION

- Input Voltage: 11-16 or 11-32 VDC
- Output Voltages: 5V @ 3A, 9V @ 3A, 15V @ 3A and 20V @ 5A
- PPS (Programmable Power Supply) Modes
- Output Voltage Ripple: 150mV at 100W load
- Operating Temperature: -20° to +40°C
- Storage Temperature: -40° to +85°C
- Weight (Approx.): 0.82 lbs (0.37 kg) excluding cables
- Dimensions (Approx.): 5.31 x 2.95 x 0.98 inches (135 x 75 x 25 mm) excluding cables



The Lind Fully Rugged 100W USB-C power adapter is designed to deliver continuous, reliable power to your mobile devices that use a USB-C input connector for power. Its rugged design combined with its safety features make this adapter ideally suited for daily use in even the most extreme environments and demanding applications.

Lind power adapters incorporate the highest degree of circuit protection for your devices and our robust design makes our products well-suited for use in rugged mobile environments and applications. The adapter's electronics are shielded by a rugged epoxy-sealed case to protect the internal circuits from damage caused by shock and/or vibration. The case is designed with a finned exterior to improve heat dissipation.

Connector Options:



Corner USB-C



Straight USB-C



Left-Angle USB-C with screw pin



Right-Angle USB-C with screw pin

60W USB-C POWER ADAPTER



The Lind Fully Rugged 60W USB-C power adapter is designed to deliver continuous, reliable power to your mobile power devices that use a USB-C input connector for power, and is the only true rugged 60 Watt USB-C power adapter in the market. Its rugged design combined with its safety features make this adapter ideally suited for daily use in even the most extreme environments and demanding applications.

Lind power adapters incorporate the highest degree of circuit protection for your devices and our robust design makes our products well-suited for use in rugged mobile environments and applications. The adapter's electronics are shielded by a rugged epoxy-sealed case to protect the internal circuits from damage caused by shock and/or vibration. The case is designed with a finned exterior to improve heat dissipation.

FEATURES

- Low Input Voltage Cut Off (LIVCO)
- 10-sec LIVCO delay
- High Input Voltage Cut Off
- Output Overcurrent Protection
- Internal Over Temperature Protection
- VBUS to CC short protection
- High Output Voltage Limit
- Automatic Restart of Adapter
- ESD protection on VBUS, CC lines
- Supports USB PD 2.0 Charging Protocol with Standard Profiles

TECHNICAL INFORMATION

- Input Voltage — 11-16 or 11-32 VDC
- Output Voltages — 5V @ 3A, 9V @ 3A, 15V @ 3A and 20V @ 3A
- Total Load Current — 3.0A
- Output voltage ripple — 150mV at 60W load
- Weight — .56lbs (excluding cables)
- Dimensions — 123 x 58 x 29 mm
- Operating Temp — -20 to +40° C
- Storage Temp — -40 to +85° C

REPLACEMENT AC ADAPTERS

FEATURES

- Universal AC Input Range
- Various DC output connectors available
- 90W, 120W & 150W models available
- UL Listed and CE Marked
- Various AC cords available
- RoHS compliant

TECHNICAL INFORMATION

- Input Voltage: 100-240 VAC
- Output Voltages: 12-24 VDC
- Operating Temperature: -20° to +40°C
- Storage Temperature: -40° to +85°C
- Weight (Approx.):
 - 90W: 1.00 lbs (0.45 kg) excluding cables
 - 120W: 1.30 lbs (0.59 kg) excluding cables
 - 150W: 1.10 lbs (0.50 kg) excluding cables
- Dimensions (Approx.):
 - 90W: 5.0 x 2.25 x 1.25 inches (127 x 57 x 32 mm) excluding cables
 - 120W: 6.875 x 2.375 x 1.5 inches (175 x 60 x 38 mm) excluding cables
 - 150W: 6.81 x 2.36 x 1.5 in (173 x 60 x 38 mm) excluding cables



The Lind Replacement AC Adapter is designed to replace missing or damaged AC power supplies originally provided with your laptop. These adapters meet or exceed the laptop manufacturer's original specifications.

Each unit features a power-on LED and universal switching for 100 - 240 VAC input voltage. The device comes with a 48 inch long attached output cable supplied with a 60 inch long AC input cord.

Tips are available for most models to plug the Lind Replacement AC Power Adapter into your laptop. 90, 120 and 150 watt output versions of these adapters are available.

AC/DC RUGGED COMBO ADAPTER



Lind's line of Ruggedized AC/DC and AC/DC/DC Combo Power Adapters allow you to power and charge your laptop from either an AC or DC voltage source.

Each ruggedized combo power adapter comes standard in a durable aluminum case or housing that is designed to withstand harsh operating conditions, making it an ideal choice to power your laptop in demanding physical environments.

Most of these ruggedized combo power adapters feature field replaceable input/output cables with snap-in connections to make servicing easy and efficient.

FEATURES

- Withstands extreme shock and vibration
- Operation over wide temperature range
- Epoxy sealed to resist moisture and humidity
- Output overvoltage and overcurrent protection
- Replaceable input and output cables on most models
- The combo adapter can accept power from AC or DC voltage sources
- Optional 400 Hz AC adapters available
- Output short circuit protected
- Output Current Limit
- Internal overtemperature shut down (DC input only)
- Low Input Voltage Cut Off (DC input only)
- Automatic reset of safety Cut Offs
- Custom cable options available

TECHNICAL INFORMATION

- Input Voltage: 90-264 VAC
- Output Power: up to 90W
- Frequency: 47-63 Hz (400 Hz AC adapters available)
- Operating Temperature: -40° to +40°C
- Storage Temperature: -40° to +85°C



SHUTDOWN TIMERS

MAXIMIZE UPTIME AND MINIMIZE DOWNTIME WITH LIND SHUTDOWN TIMERS FOR MILITARY VEHICLES

Lind Electronics' Shutdown Timers are a game-changer for military applications, designed to enhance operational efficiency and equipment longevity. Our timers provide an intelligent solution by automatically shutting down the vehicles electrical system after a predetermined period of inactivity, thereby preventing unnecessary battery drain and ensuring optimal power usage. This not only extends the battery life but also reduces maintenance costs and downtime, keeping your fleet in peak condition. Built with durability and reliability in mind, our timers are easy to install and configure, making them a practical and essential upgrade for any military setting. Trust Lind Electronics to deliver solutions that keep your missions running smoothly and efficiently.



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RUGGEDIZED SHUTDOWN TIMER

FEATURES

- Low voltage shut down to protect battery
- High voltage shut down to protect loads
- Loads up to 20 ADC
- Reverse polarity protected
- Automatic activation by sensing the battery voltage (battery not charging = Timer ON)
- Optional activation by ignition switch connection (ignition OFF = Timer ON)
- Optional alarm output
- LED indication of ON and Timing
- Protected against automotive load dump
- Screw terminal connections
- Black PC/ABS Case with mounting flanges

TECHNICAL INFORMATION

- Input Voltage Range: 9-18Vdc or 18-36Vdc
- Maximum Output Current: 20A
- Dimensions (approx.): 3.0 x 2.05 x 1.5 inches (76 x 52 x 38 mm)
- Weight (approx.): .33 lbs (.15 kg)



The Lind Ruggedized Shut Down Timer (RSDT) protects the automobile battery from over discharge by shutting OFF loads at a preset time after the engine is shut down or when the battery is discharged. The RSDT also protects radio or computer equipment from damage caused by low or high input voltage experienced with alternator failure or improper voltage jump-starts.

The RSDT is typically activated by sensing the voltage of the battery. When the alternator stops charging, the timed sequence is started. An ignition input switch is provided as an optional activation method.

Used as a Shut Down Timer, the RSDT can be used for loads up to 20A. As a Relay Driver, the RSDT will drive relays up to 200 Amps. The RSDT can be factory set to any desired delay from a few seconds to several hours

LOW PROFILE SHUTDOWN TIMER



The Lind Low Profile Shut Down Timer protects the vehicle battery from over discharge by shutting OFF up to 30 amp loads at a preset time after the engine is shut down or when the battery reaches a low voltage level.

An emergency switch allows 12 minutes of operation after the timers shut down the equipment. The Low Profile Shut Down Timer is typically activated by sensing the electrical system voltage. When the alternator goes OFF the timed sequence is started.

A unique feature of the Low Profile Shut Down Timer is that it allows full testing of the system after installation. Momentary closure of the test switch reduces the delay time by a factor of 100 to allow a quick test of the system timing function.

FEATURES

- More compact design via reduced height profile
- Adjustable shut down delay time from 5 seconds to 4 hours (other delays possible - consult factory)
- Low voltage shut down at 10.5 VDC
- High voltage shut down at 18 VDC with auto reset
- Loads up to 30 ADC
- Reverse polarity protected.
- Automatic activation by sensing the battery voltage (battery not charging = timer ON)
- Optional activation by ignition switch connection (ignition OFF = timer ON)
- LED indicators for ON, OFF and Timing
- Speed-up time test switch (set delay divided by 100)
- Over-ride switch for 12 minute emergency operation after time out or failure of the engine to start
- Protected against automotive load dump
- Screw terminal or Terminal Block connection

TECHNICAL INFORMATION

- Input Voltage Range: 9-18Vdc or 18-36Vdc
- Maximum Load (2 Output Connections): 30A
- Time Delay Adjustment Range: 5 Sec.- 4 Hrs
- Dimensions (approx.): 4.3 x 3.8 x 1.2 inches (109 x 97 x 30 mm)
- Weight (approx.): .5 lbs (.22 kg)



OTHER SOLUTIONS

ENERGIZE YOUR DEVICES WITH UNMATCHED RELIABILITY.

At Lind Electronics, we offer a diverse range of innovative products designed to meet your power and connectivity needs beyond our renowned mobile power adapters and shutdown timers. Our high-performance battery chargers ensure your devices are always ready for action, providing efficient and reliable power management. Our sturdy power adapter mounts securely hold your power adapters in place, enhancing operational safety and efficiency. Additionally, our versatile USB-C dongles expand your device capabilities. Trust Lind Electronics to deliver comprehensive solutions that power your productivity and keep you powered in any environment.



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BB-2590 BATTERY CHARGER

TECHNICAL INFORMATION

- Input Voltage: 100 to 240 Vac
- Output Voltage: 16.5V @ 3.0A
- Output Power Nominal: 48 watts
- Charging State Indicator: Green LED on adapter
- Input Cable: 72 inch AC cord
- Output Cable: 18 inches, PVC (black), Santoprene connector material (black)



The Lind AC Battery Charger is designed to charge a single BB-2590 military battery, with or without the SMBUS. Power is supplied via an AC power cord plugged into an AC power supply.

Insert the input cable's connector into AC wall outlet and plug the other end of the input cable into the adapter. Then secure the adapter's output connector to the BB-2590 battery using the velcro strap (included) to ensure a solid connection between the connector spring loaded pins and the battery contacts.

The adapter automatically conditions and regulates the voltage provided from the vehicle to the correct DC voltage and current required to charge the BB-2590 battery. The adapter will run off any AC source and will charge battery at 3A and the 11-32, 12 or 24. The adapter has a green LED indicator that flashes while charging, and becomes solid when the charge is complete. The unit will charge both 2590 batteries and 2590 batteries with the SMBUS.

MILITARY CABLES/CONNECTORS

CBLBA-F00130 :**ACBACH 3767 :****NATO CABLE :****VELCRO STRAP :**

Lind offers a wide selection of cables and connectors for common military applications. For battery connectivity, the BB-2590 battery cable (with or without SMBUS) is a perfect solution that is also compatible with other -xx90 military battery types. Lind also offers a heavy-duty NATO Slave connector, available in either fused or non-fused versions.

Custom cables are also available upon request. Lind is able to create custom cables if your application requires a specific cable material, length, or connector type. Some of the common MIL connector types Lind is familiar with: ITT Cannon, Glenair, Fischer, and Amphenol.



LIND ELECTRONICS PRODUCT WARRANTY

Our Commitment To You

Lind Electronics, LLC. (LIND) warrants the circuit assembly portion of products manufactured by it to be free of defects in material and workmanship for a period of 3 years* 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, LLC. HEREBY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Lind Electronics, LLC. 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.

*1 year warranty on custom built adapters and adapters with permanently attached (hardwired) cables.

HOW TO MAKE A WARRANTY CLAIM

1. CONTACT US

Reach out to our customer support team via phone or email. Provide your product details and a description of the issue.

2. SUBMIT PROOF OF PURCHASE

Have your receipt or proof of purchase ready to verify warranty eligibility.

3. SHIP YOUR PRODUCT

If required, send your product to our Lind Electronics Headquarters. We'll provide shipping instructions.

4. REPAIR OR REPLACEMENT

Once we receive your product, our team will repair or replace the product and return it to you as quickly as possible.



LIND ELECTRONICS
14850 Deveau Place
Minnetonka, MN 55345



952-927-6303 or toll free at
800-897-8994



techsupport@lindelectronics.com



LindElectronics.com

For any questions or for full warranty details, terms, and conditions, please visit our website or contact our customer support team.

LIND IS HERE FOR YOU!

Peace of Mind with Every Purchase

At Lind Electronics, we stand by the quality and reliability of our products. Our comprehensive warranty plan ensures that you can trust our solutions to perform consistently and efficiently. Here's what you can expect:



1. COVERAGE DURATION

Enjoy up to 1-3 years of protection on Lind Electronics products, safeguarding your investment for the long haul.



2. COMPREHENSIVE PROTECTION

Our warranty covers any defects in materials or workmanship, ensuring that your product functions as intended.



3. HASSLE-FREE CLAIMS

In the unlikely event of a malfunction, our straightforward claims process makes it easy to get your product repaired or replaced. Simply contact our dedicated support team, and we'll handle the rest.



4. TECHNICAL SUPPORT

Access expert assistance from our knowledgeable technical support team, available to help troubleshoot and resolve any issues you might encounter.



5. FAST TURNAROUND

We prioritize quick resolutions, minimizing downtime and ensuring your operations continue smoothly.

Choose Lind Electronics for top-notch performance and reliability, backed by a warranty plan designed to give you peace of mind. Your satisfaction is our commitment!



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