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Bosch GBA18V80

BOSCH GBA18V80 18V CORE18V® Lithium-Ion 8 Ah High Power Battery User Manual

Model: GBA18V80 | Brand: Bosch

INTRODUCTION

The Bosch CORE18V® 8 Ah High Power Battery (Model GBA18V80) is engineered to provide extended runtime and increased power for demanding applications. This battery incorporates advanced technology to ensure efficient and reliable performance with compatible Bosch 18V tools and the AMPShare™ System.



Figure 1: Bosch GBA18V80 18V CORE18V® 8 Ah High Power Battery.

IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this battery and any compatible tools or chargers. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Do not disassemble, open, or shred battery pack.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack. Do not store battery packs indiscriminately in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not remove battery pack from its original packaging until required for use.
- Do not subject battery pack to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery pack clean and dry.
- Recharge only with the charger specified by Bosch. Do not use any charger other than that specifically provided for use with the equipment.
- Do not use any battery pack not designed for use with the equipment.
- Keep battery pack out of the reach of children.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Dispose of properly.

KEY FEATURES

- **High Performance:** Delivers 50% more runtime and over 75% more power compared to the CORE18V 4 Ah battery, suitable for high-demand applications.
- **Enhanced Efficiency:** Features two layers of advanced 21700 cells for superior battery efficiency.
- **CoolPack™ 2.0 Technology:** Bosch-exclusive technology that cools the battery faster, contributing to a longer battery lifetime compared to Bosch 18V batteries without CoolPack™ 2.0.
- **Cutting-Edge Design:** Includes copper end plates, power rails, and a flexible circuit board, which collectively reduce resistance and increase overall efficiency.
- **Compact and Balanced:** Weighs only 2.14 Lbs., providing an optimal balance of size, weight, and power for user comfort and tool maneuverability.
- **Charge-Status Indicator:** Equipped with a high-resolution indicator for clear and immediate visibility of the battery's charge level.
- **Broad Compatibility:** Engineered for 18V systems and fully compatible with all Bosch 18V tools and chargers.
- **AMPShare™ System:** Compatible with the AMPShare™ System, a multi-brand battery system designed to simplify workflow across various cordless products.

HIGH-POWER LI-ION CELLS

Feature enhanced 21700 cells, which deliver corded-comparable power and performance for high-demand applications

WEIGHS ONLY 2.14 LBS.

8.0 Ah High Power battery provides ideal balance of size, weight and power

AMPSHARE™ SYSTEM

Designed to be multi-brand compatible across many cordless products to make managing your work day easier

AMPSHARE™ SYSTEM COMPATIBILITY

18V batteries and chargers are compatible with Bosch 18V power tools and a growing list of cordless products from AMPShare™



BOSCH-EXCLUSIVE COOLPACK™ 2.0 TECHNOLOGY

Cools the battery and helps provide longer battery lifetime compared to non-CoolPack™ Bosch 18V batteries

CUTTING-EDGE BATTERY DESIGN

Includes copper end plates, power rails and a flexible circuit board for reduced resistance and increased efficiency

CHARGE-STATUS INDICATOR

Includes a high-resolution charge status indicator



Figure 2: Detailed features of the CORE18V@ 8 Ah High Power Battery.



Figure 3: The battery's charge status indicator provides clear visibility of remaining power.

SETUP: CHARGING THE BATTERY

Before initial use, fully charge the battery. Use only Bosch 18V chargers compatible with the CORE18V® battery series. Ensure the charger is connected to a suitable power source.

1. **Connect Charger:** Plug the Bosch 18V charger into a standard electrical outlet.
2. **Insert Battery:** Slide the GBA18V80 battery into the charging slot on the charger. Ensure it clicks securely into place.
3. **Monitor Charge:** The charger's indicator lights will show the charging status. A solid green light typically indicates a full charge. Refer to your specific charger's manual for detailed indicator meanings.
4. **Remove Battery:** Once fully charged, press the release button on the battery and slide it out of the charger.

For optimal battery life, avoid storing batteries in a discharged state. Charge them periodically if not in use for extended periods.

CORE 18V[®]

8 Ah High Power



Powered by



Figure 4: Multiple Bosch CORE18V batteries being charged simultaneously on a compatible charger.



Figure 5: Proper insertion of the battery into the charger.

OPERATING THE BATTERY

The GBA18V80 battery is designed for seamless integration with Bosch 18V cordless power tools, especially those featuring BITURBO Brushless™ Technology for maximum performance.

1. **Insert into Tool:** Align the battery with the battery slot on your Bosch 18V tool. Slide the battery firmly into place until it clicks, indicating a secure connection.
2. **Check Compatibility:** Ensure your tool is compatible with 18V CORE18V® batteries for optimal performance and safety.
3. **Power On:** Operate your tool as per its specific instruction manual. The battery will provide consistent power for extended periods due to its high capacity.
4. **Monitor Charge During Use:** Periodically check the battery's charge-status indicator on the battery itself to gauge remaining power.
5. **Remove from Tool:** When finished or when the battery is depleted, press the battery release button on the tool and slide the battery out.

The AMPShare™ System ensures that this battery can be used across a growing range of compatible cordless products from various brands, enhancing versatility and convenience.

MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your Bosch GBA18V80 battery.

- **Cleaning:** Keep the battery contacts clean and free of dust and debris. Use a clean, dry cloth to wipe the battery. Do not use solvents or abrasive cleaners.

- **Storage:** Store the battery in a cool, dry place, away from direct sunlight, heat sources, and moisture. Ideal storage temperature is between 32°F (0°C) and 122°F (50°C).
- **Long-Term Storage:** For long-term storage (more than 30 days), it is recommended to store the battery at approximately 50% charge. Fully discharging or fully charging for extended periods can reduce battery life.
- **Avoid Extreme Temperatures:** Do not expose the battery to extreme hot or cold temperatures, as this can damage the cells and reduce performance.
- **Physical Damage:** Inspect the battery regularly for any signs of damage, such as cracks, swelling, or corrosion on the terminals. Do not use a damaged battery.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery not charging. | Charger not plugged in; faulty charger; battery too hot/cold; damaged battery. | Ensure charger is properly plugged in. Try a different outlet. Allow battery to reach room temperature. Inspect battery and charger for damage. Replace if necessary. |
| Battery not powering tool. | Battery not fully charged; battery not properly inserted; incompatible tool; damaged battery. | Charge battery fully. Ensure battery is securely clicked into tool. Verify tool compatibility. Inspect battery for damage. |
| Reduced runtime. | Battery nearing end of life; extreme operating conditions; improper storage. | Consider replacing the battery. Operate within recommended temperature ranges. Store battery properly. |
| Battery indicator lights not working. | Battery fault; indicator malfunction. | Attempt to charge the battery. If issue persists, the battery may be faulty and require replacement. |

If troubleshooting steps do not resolve the issue, contact Bosch customer support for further assistance.

SPECIFICATIONS

| Attribute | Detail |
|--------------------|--------------------------------------------|
| Model Number | GBA18V80 |
| Voltage | 18V |
| Battery Capacity | 8 Ah (Amp Hours) |
| Battery Cell Type | Lithium Ion (21700 cells) |
| Item Weight | 1.37 pounds (0.62 kg) |
| Product Dimensions | 4.6 x 3 x 2.7 inches (11.7 x 7.6 x 6.9 cm) |

| Attribute | Detail |
|---------------------|--------------------------------------------------------|
| Wattage | 1600 watts |
| Included Components | (1) 18V CORE18V Lithium-Ion 8.0 Ah Performance Battery |
| Compatibility | All Bosch 18V tools and chargers, AMPShare™ System |

WARRANTY AND SUPPORT

Bosch 18V batteries are covered by a three-year limited warranty. For detailed information regarding the warranty terms and conditions, please visit the manufacturer's official website or contact Bosch customer support.

For customer support, technical assistance, or warranty claims, please refer to the contact information provided on the official Bosch website or within your product packaging.

The graphic features the Bosch logo (a white circle with a stylized 'H') and the word 'BOSCH' in red on a dark blue background. In the top right corner, it says '18V-Battery'. The central focus is a large white shield with a checkmark, followed by the text '18V LIMITED WARRANTY' in white. To the right, a red horizontal bar contains the text '3 YEAR Battery' in white. At the bottom, white text provides warranty details: 'Effective 6/1/23, all 18V products are covered by this updated warranty. For updated terms, visit <https://rb-pt.io/PowerToolWarranty> or call 1-877-BOSCH99'.

Figure 6: Bosch 18V Battery Limited Warranty information.

