

AVID POWER AP20B

AVID POWER 20V MAX 2.0 Ah Lithium Ion Rechargeable Battery (Model AP20B) Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your AVID POWER 20V MAX 2.0 Ah Lithium Ion Rechargeable Battery (Model AP20B). Please read these instructions carefully before first use and retain them for future reference. This battery is designed to provide reliable power for compatible AVID POWER 20V cordless tools.

2. IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the battery and tools:

- **Charging:** Only use chargers specifically designed for AVID POWER 20V MAX Lithium-Ion batteries. Do not attempt to charge non-rechargeable batteries.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight, heat sources, and moisture. Avoid storing batteries in cold places, as low temperatures may cause them to fail.
- **Maintenance:** To extend battery life, fully charge it after each use and ensure it is charged every three months, even if not in use.
- **Protection:** The battery features built-in overcharge, overheating, over-discharge, short circuit, over-current, and over-voltage protection systems to ensure safety and prolong battery life.
- **Damage:** Do not use a damaged battery. If the battery casing is cracked or compromised, discontinue use immediately.
- **Disposal:** Dispose of batteries responsibly according to local regulations. Do not incinerate or expose to extreme temperatures.



Figure 1: Built-in multi-protection features of the AVID POWER 20V MAX Lithium Ion battery.

3. PRODUCT COMPATIBILITY

This AVID POWER 20V MAX 2.0 Ah Lithium Ion Rechargeable Battery (Model AP20B) is designed for specific AVID POWER 20V cordless tools. Please verify compatibility before use.

3.1. Incompatible Tools

This battery is **NOT COMPATIBLE** with the following AVID POWER tools and chargers:



Figure 2: List of AVID POWER tools and chargers NOT compatible with this battery.

- **Drill:** ACD136, ACD136-B
- **Tire Inflator:** ACAP115D-DW, ACAP110D-Y, ACAP110D-Blue, ACAP322-G
- **Impact Wrench:** ACIW340, ACIW326, ACIW326-B, ACIW326-G, ACIW338
- **Angle Grinder:** ACAG330, ACAG330-G
- **Leaf Blower:** ACVB432, ACVB222
- **Charger:** AP30C-H, ACIW326-S, ACAP110D-Charger, ACD136-Charger, ACRT324-C
- **All:** 4V/8V/12V Series Cordless Power Tools & Charger

This battery is also **NOT COMPATIBLE** with any machines from other brands such as Dewalt, BLACK+DECKER, CRAFTSMAN, RYOBI, WORKPRO, Milwaukee, Makita, Bosch, etc.

3.2. Compatible Tools

This battery is **ONLY COMPATIBLE** with the following AVID POWER tools and chargers:

ATTENTION

THIS BATTERY IS NOT COMPATIBLE WITH:

DRILL		TIRE INFLATOR		ANGLE GRINDER			
ACD136 ACD136-B		ACAP115D-DW ACAP110D-Blue ACAP110D-Y ACAP322-G		ACAG330 ACAG330-G			
							
IMPACT WRENCH		LEAF BLOWER		CHARGER		ALL	
ACIW340 ACIW326-B ACIW326 ACIW338		ACVB222 ACVB432		AP30C-H, ACIW326-S, ACAP110D-Charger, ACD136-C, ACRT324-C;		4V/8V/12V SERIES CORDLESS POWER TOOLS	
						

Figure 3: List of AVID POWER tools compatible with this battery (Part 1).



Figure 4: List of AVID POWER tools compatible with this battery (Part 2).

ATTENTION

ONLY COMPATIBLE FOR:

CHARGER		LEAF BLOWER	
MW20C		ACVB220 ACVB234	
			
IMPACT DRIVER	IMPACT WRENCH	OSCILLATING TOOL	ORBITAL SANDER
ACIS326A	ACIS334B	ACMT326	ACOS326
			

Figure 5: List of AVID POWER tools compatible with this battery (Part 3).

Tool Type	Compatible Models
Drill	ACD316, ACD316-P, ACD316-B, ACD316N, ACD318, ACD318DB, ACD320, ACD326
Tire Inflator	ACAP115D, ACAP115D-B, ACAP115D-O, ACAP115D-P, ACAP115D-Y, ACAP334, ACAP334-02, ACAP328, ACAP328-O
Saw	ACRS334, ACRS334-G, ACJS326
Leaf Blower	ACVB220, ACVB234
Glue Gun	ACGG110, ACGG110-P
Impact Wrench	ACIS334B
Impact Driver	ACIS326A
Oscillating Tool	ACMT326
Orbital Sander	ACOS326
Charger	MW20C

4. SETUP AND INSTALLATION

Before using the battery, ensure it is fully charged. Refer to the 'Maintenance' section for charging instructions.

4.1. Installing the Battery

1. Align the battery with the battery port on your compatible AVID POWER 20V tool.
2. Slide the battery into the tool until you hear a 'click' sound, indicating it is securely latched. The battery features non-slip buttons for easy installation and removal.
3. Gently pull on the battery to ensure it is firmly attached and will not accidentally detach during operation.



Figure 6: Non-slip button for easy battery installation and removal.

4.2. Removing the Battery

1. Press and hold the battery release button(s) located on the sides of the battery.

2. Slide the battery out of the tool.



Figure 7: The AVID POWER 20V MAX battery powers a range of compatible tools.

5. OPERATING INSTRUCTIONS

5.1. Checking Battery Capacity

The battery is equipped with three LED indicator lights to show the real-time capacity and charging status. Press the small button next to the lights to activate the display:

- **3 Lights:** Full charge
- **2 Lights:** Medium charge
- **1 Light:** Low charge, recharge soon
- **No Lights:** Battery is depleted or faulty



Figure 8: LED indicator lights show the battery's charge level.

5.2. General Use

Once the battery is securely installed in a compatible tool and sufficiently charged, the tool is ready for operation according to its own instruction manual. The lithium-ion technology ensures more efficiency and no memory effect, providing longer run time and improved performance.



Figure 9: The AVID POWER 20V MAX battery enables various tasks.

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Video 1: A seller's review demonstrating the AVID POWER 20V MAX battery with a tire inflator, showing its compatibility and ease of use.

6. MAINTENANCE

6.1. Charging the Battery

A charger is not included with this battery. Use only a compatible AVID POWER 20V charger (e.g., Model MW20C). It typically takes 3-5 hours to fully charge the battery.

1. Connect the charger to a power outlet.
2. Slide the battery onto the charger until it clicks into place.
3. Monitor the charger's indicator lights (refer to your charger's manual) to confirm charging status. The battery's LED indicators will also show charging progress.
4. Once fully charged, remove the battery from the charger.

6.2. Storage

For optimal battery life and performance:

- Always store the battery in a dry environment, away from moisture and extreme temperatures.
- Avoid storing batteries in cold places, as low temperatures can negatively impact performance and lifespan.
- If storing for extended periods, ensure the battery is fully charged and recharge it every three months.

7. TROUBLESHOOTING

If you encounter issues with your AVID POWER 20V MAX 2.0 Ah Lithium Ion Rechargeable Battery, consider the following:

- **Battery Not Charging:**
 - Ensure the charger is properly plugged into a working outlet.
 - Verify the battery is correctly seated on the charger.

- Check if the charger or battery is damaged. Do not use if damaged.
 - Confirm you are using a compatible AVID POWER 20V charger.
- **Tool Not Operating with Battery:**
 - Ensure the battery is fully charged (check LED indicators).
 - Verify the battery is securely installed in the tool.
 - Confirm the tool itself is functioning correctly by testing with another known-good battery if available.
 - Double-check the compatibility list in Section 3 to ensure your tool model is supported.
- **Reduced Run Time:**
 - Battery capacity naturally decreases over time and with use.
 - Ensure the battery is being fully charged after each use and every three months during storage.
 - Avoid operating tools in extremely cold conditions, which can temporarily reduce battery performance.

If problems persist, please contact AVID POWER customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	AVID POWER
Model Number	AP20B
Battery Type	Lithium Ion
Voltage	20V MAX
Capacity	2.0 Ah (2000 Milliamp Hours)
Item Weight	14.4 ounces
Package Dimensions	5.35 x 3.94 x 2.28 inches
Recommended Uses	Power Tool
Batteries Required	1 Lithium Ion (included)

9. WARRANTY AND SUPPORT

AVID POWER stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official AVID POWER website. If you have any questions, require technical assistance, or need to report an issue, please contact AVID POWER customer support through their official channels.

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