

## Specifications

Design and specifications are subject to change without notice.

### Physical Specifications

Product: AB1 battery  
Dimensions: 82.5 x 63.5 x 22 mm (3.25 x 2.65 x 0.9 in)  
Weight: 132 g (4.64 oz)

### Capacity and Output Specifications

Maximum output: 8.4 VDC  
Mean output: 7.4 VDC  
Capacity: 2200 mAh

### Temperature Specifications

Operating temperature: 0°C to 50°C (32°F to 122°F)  
Storage temperature: -20°C to 60°C (-4°F to 140°F)

### Humidity Specifications

Operating humidity: 10% to 90% non-condensing  
Storage humidity: 0% to 95% non-condensing



6001 36th Avenue West  
Everett, WA 98203  
U.S.A.  
www.intermec.com  
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AB1 Battery Instructions



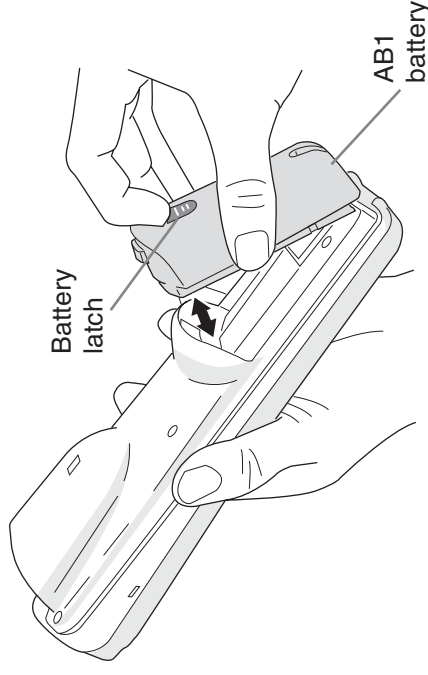
P/N 073431-001

## AB1 Battery Instructions

The AB1 battery is a 2200 mAh lithium-ion battery designed for use in the CK30 Handheld Computers. Before using the battery, please read these instructions thoroughly and keep them for future reference.

### Replacing the Battery

- 1 Turn off the CK30.
- 2 Pull down on the battery latch.
- 3 Pull out the discharged battery.



- 4 Insert the tabs on the bottom of the charged battery into the CK30, and then snap the battery into place.



Caution

**If you fail to replace the battery immediately, you may lose important data or applications.**

**Attention: Si la batterie n'est pas remplacée immédiatement, des données ou applications importantes risquent d'être perdues.**

For best performance, keep a charged battery in the CK30.

## Charging the Battery

Use the following table to understand the charging methods and times for the AB1 battery. The charging times indicate the maximum amount of time to charge a fully discharged battery. It may take less time to charge the battery depending on the state of the battery charge.

### Charging Methods and Times

Method	Time
AC1 4-Slot Battery Charger	5 hours
AC2 4-Bay Charging Dock	5 hours
AD1 1-Bay Communications Dock	3 hours
AD2 4-Bay Communications Dock	5 hours



**Note:** The charging times are at 21 °C (69.8°F). Charging time will vary depending on temperature.

- You must fully charge your battery prior to using it in a CK30.
- You can charge a battery after partial discharge without affecting the original battery capacity.



**Use only the methods described in this instruction sheet to recharge the AB1 battery. Recharging this battery with any other charger could result in damage to the battery.**

**Attention: Utilisez seulement les méthodes décrites dans cette feuille d'instructions pour recharger le bloc-batterie AB1. Ne pas recharger cette batterie avec un autre type de chargeur car cela risque d'endommager la batterie.**

## Important Recommendations

- Charge the battery immediately before use or within a couple of days of use.
- Do not short circuit the battery and keep it away from metallic items.
- Do not disassemble, open, or modify the battery.
- Do not expose the battery to excessive heat or fire.
- Do not store the battery at temperatures above 60°C (140°F), such as inside a car on a hot day or in direct sunlight, as this may damage the battery.
- Do not immerse the battery in water or get the battery wet.
- Do not solder directly to the battery contacts.
- Use the AB1 battery only with a CK30. Use of this battery in other applications could result in damage to the device or battery.
- For maximum battery efficiency, the temperature range for charging and storing batteries is 0°C to 45°C (32°F to 113°F).
- Keep the battery contacts clean and free of dust and dirt.
- Do not recharge batteries in locations that are extremely hot or cold, dusty or dirty, very humid, or subject to vibration.

## Disposing of the Battery



Li-Ion



Li-Ion

- When the battery reaches the end of its useful life, the spent battery should be disposed of by a qualified recycler or hazardous materials handler. If you are unsure of how to properly dispose of this battery, contact your local Intermec office for disposal information.
- Discarded batteries may create a safety hazard. Before disposal, cover the battery contact terminals with electrical insulating tape.
  - Keep away from children.
  - Do not disassemble or dispose of in fire.
  - Do not mix these batteries with the solid waste stream. (Required in European countries.)