



Tech note

EN1221S-60 Cold Weather Best Practices

Introduction

The EN1221S-60 pendant employs a proprietary power management system that consists of a user-replaceable CR2032 lithium metal coin cell battery and a non-accessible, non-replaceable lithium polymer pouch battery.

- The coin cell battery is the energy source for recharging the pouch battery.
- The pouch battery provides peak power capacity for all RF transmissions, as well as LED and vibration motor operation.

The EN1221S-60 pendant is designed to operate within a temperature range of 32 to 140°F and be stored in ambient conditions of 69 to 73°F.

The pouch battery is the same technology used in mobile phones. It is designed to withstand exposure to temperatures as low as -4°F for up to one year, as long as it not being charged by another power source, such as the CR2032 coin cell battery.

If the pouch battery is being charged at temperatures below 32°F, the chemicals inside the battery are at risk of physical damage that can cause the pendant to irretrievably fail.

Contact Information

For questions, contact Inovonics technical support:

- E-mail: support@inovonics.com.
- Phone: (800) 782-2709; (303) 939-9336.

Best Practices

- We recommend that the pendant be shipped without the coin cell battery installed, especially below 32°.
- If exposed to conditions below 32° during shipping, the pendant should be kept at room temperature for 24 hours before installing the coin cell battery and activating the pendant.
- Because battery chemistry varies across individual devices, it is difficult to provide exact recommendations. It is safe to say that the longer the time and the lower the temperature, the greater is the risk of damage.
 - If an end user is outdoors when temperatures are below 32°F, the pendant should be worn under clothing to protect it from exposure.
 - The pendant should not be left in a cold vehicle below 32° for any period of time.