

ExpertCare® Service by ZOLL

Battery Management for SurePower and SurePower II Batteries

Battery Care FAQs

Healthy Batteries. Longer Life.

Upon receipt of your SurePower™ and SurePower II battery packs, please review the following important information. For complete information, refer to the SurePower Battery Pack Guide.

Due to shipping regulations, ZOLL® ships all SurePower battery packs with a 30% charge. **You must fully charge your battery pack upon receipt. Leaving battery packs undercharged or depleted for extended periods may damage them.**

Q. How long can battery packs be stored?

A. SurePower and SurePower II battery packs can be placed into storage for up to 4 months. When placing a battery pack into storage:

1. Charge the SurePower and SurePower II battery packs until three runtime LEDs illuminate. (This takes approximately 1.5 hours when charging a fully depleted battery.)
2. Repeat this process every 4 months.

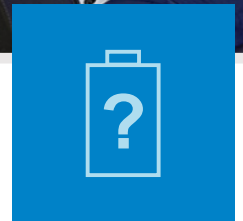
IMPORTANT: After removing a SurePower II battery pack from an X Series® monitor/defibrillator, Propaq® MD/M, or charger station, you must wait 30 seconds before placing it into the charger station or device. Failure to wait 30 seconds may trigger a fault light on the charger station, or a "Battery Communication Error" on the device. If this occurs, remove the battery pack for at least 30 seconds and place it back into the charger station or device.

Q. How do I recalibrate my battery packs and how often should I do that?

A. To determine whether your battery pack needs to be recalibrated, press and release the Display button.

If the yellow **Recalibration** LED illuminates for approximately 10 seconds, the battery pack needs to be calibrated (see Figure 1). If the **Recalibration** LED illuminates, the runtime indicator will not display runtime for that battery pack.

Note: At a minimum, SurePower and SurePower II battery packs require calibration once per year. For best performance, when calibration is indicated, do so promptly. The battery recalibration LED does not indicate a fault condition. While runtime indicators will no longer appear, the battery pack remains functional. For batteries older than 3 years, ZOLL recommends manual testing and calibration every 3 months (this will not be indicated by the recalibration LED). To identify the age of your battery, see Figure 2.



Recalibration

Icon

Figure 1

SurePower	
Serial Number	AG20JAXXXX
20	Year of manufacture
J	Month of October

SurePower II	
Serial Number	AJ20DAXXXX
20	Year of manufacture
D	Month of April

Month Key			
A	January	G	July
B	February	H	August
C	March	I	September
D	April	J	October
E	May	K	November
F	June	L	December

Figure 2

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Q. How do I recalibrate the SurePower II battery pack?

A. To manually recalibrate the SurePower II battery pack:

1. Insert the battery into the SurePower Charger Station. (Note: If calibrating SurePower II battery packs in the SurePower 4-bay charger, the SurePower II battery pack adapter is required.)
2. Perform a manual test by pressing and releasing the manual test button located on the charger station. See *Figure 3*.



Figure 3

Q. How do I check battery capacity?

A. Press and hold down the battery pack's Display button for a full 5 seconds and then release.

1. Upon releasing the **Display** button, the runtime indicator displays the battery pack's capacity for 2 seconds, as shown in *Figure 4*.
2. After 2 seconds, all LEDs blink and the battery pack redisplay its runtime.

Note: If either the **Recalibration** or **Fault** LED illuminates after you release the **Display** button, the runtime indicator will not display the capacity or runtime for that battery pack.

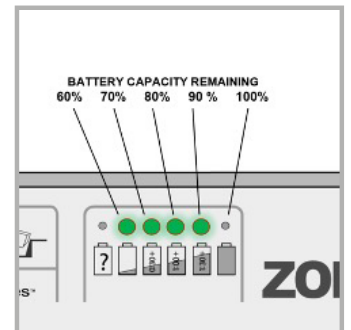


Figure 4

Q. When do I need to replace a battery?

A. Over time, all battery packs lose capacity based on usage and environmental factors.

When only one LED is illuminated during a capacity check, the battery pack is at or near 60% of its original capacity, indicating that the battery is near the end of its life and replacement should be considered.

Due to the improved performance of lithium-ion battery technology, ZOLL no longer recommends replacement based solely on age. A battery pack should be replaced when its fault icon illuminates or per your organization's battery management policy. A battery fault is illustrated in *Figure 5*.

IMPORTANT: Periodically check capacity on all SurePower and SurePower II battery packs in your inventory.

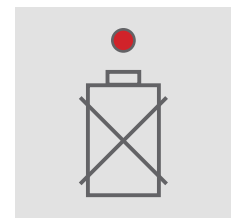


Figure 5

We're here to help.

Please contact our Technical Support Help Desk with additional questions.

Monday through Friday

8:30 a.m. to 8:00 p.m. EST | US: 800-348-9011 (press 4 for Technical Support) | techsupport@zoll.com

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