

Battery Management - Checking Lifetime and Usage

Check the battery lifetime and usage by apps to replace or optimize the battery before causing a power problem such as the battery running out too fast, etc.

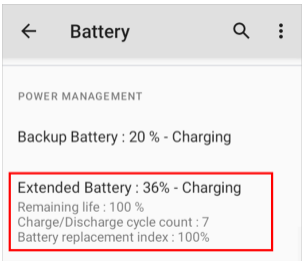
APPLIES TO

Point Mobile Android devices

Checking Battery Lifetime

The system estimate the battery's lifetime status on their own. You can see the calculated values in **Settings > Battery**.

Scroll down the screen to reach **Standard/Extended Battery** item, and check the indexes' values.



- Remaining life
- Charge/Discharge cycle count
- Battery replacement index *(Displayed in the OS version released after Aug 2023)*

When to Replace the Battery

You can determine when to replace the battery according to index criteria. The default values are as below.

	Remaining life	Cycle count	Battery replacement index
Warning Level (Recommended to replace)	Under 85	Above 250	Under 85
Bad Level (Must replace)	Under 80	Above 300	Under 80

You can set the criteria values through provisioning profile made by PMDM or Scan2Stage.

You can see the battery age in [EmHealthReport](#), or the system displays a notification through [EmBatteryMonitor](#) (installation required) when the battery age is in warning or bad level.

Checking Battery Usage

The battery problem may be caused by an app that drains the power high.

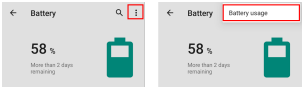
Check what apps use the battery highly, and consider optimizing the app.

You can see the usage statistic in **Settings > Battery** same as where you check the battery lifetime.

The way to check the battery usage is different by Android version. Expand a proper section and check the battery usage.

Android 9 and above

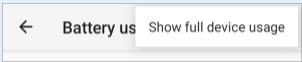
Tap the more options [blocked URL](#) on the upper-right side of the screen, and tap **Battery usage**.



You can see the statistic of battery usage by apps.

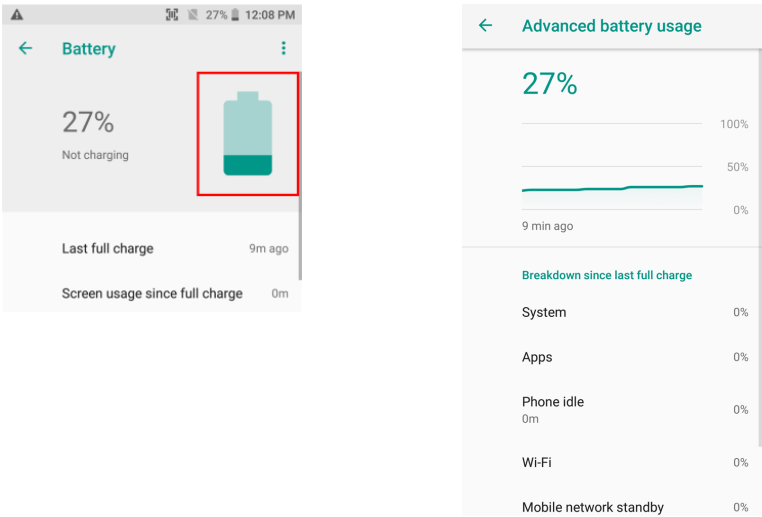


If you suspect that the reason why the battery drains fast is because of the system operation, you can see the full device usage (containing system such as screen, network, etc.) by more options [blocked URL](#) > **Show full device usage**.



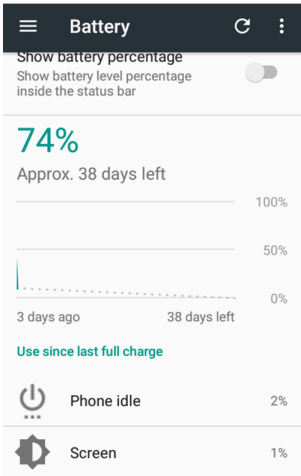
Android 8

Tap the battery icon. You can see the statistic of battery usage by apps and system operation.



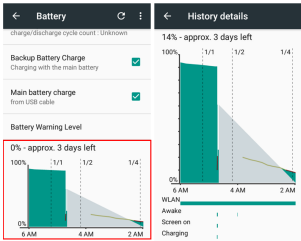
Android 7

Scroll down to the battery usage graph.



Android 6

Scroll down to the battery usage graph, and tap the graph to see the detailed battery usages.



Optimizing the App

If the battery usage of an app is high extraordinarily, consider to optimizing the app.

You can optimize the app as restricting the battery usage on the background referring to [Battery Usage Optimization \(Preview\)](#).

RELATED ARTICLES

- [Charging PM75/PM90 & RF750/RF900](#)
- [Battery Usage Optimization \(Preview\)](#)
- [Allow an App to Use a Sensor or Internal Component While in Sleep Mode](#)
- [PM5 Battery & Charging](#)
- [Maximizing PM5 Battery Lifetime, Deep Sleep Mode](#)