14 kWh battery performance test

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We put the Xiaomi 14 through our rigorous DXOMARK Battery test suite to measure its performance in autonomy, charging and efficiency. In these test results, we will break down how it fared in a variety of tests and several common use cases.

Xiaomi 14 demonstrated a great battery experience in our tests. Compared to its predecessor, Xiaomi 13, the device gained 5 points in our battery score, thanks to its improved performance in charging and efficiency.

In autonomy tests, Xiaomi 14 demonstrated an above-average performance. Under moderate usage, the device lasted more than 53 hours. The device also showed decent autonomy in individual test cases. However, the device struggled in outdoor tests, with the autonomy ranked at the bottom half among our tested devices.

Charging is where the Xiaomi 14 showed the biggest improvement over its predecessor. The device supports up to 80W of charging power, which helped the battery reach a full charge in less than 40 minutes, placing it among the best devices we have tested so far. The Xiaomi 14"s wireless charging experience was also impressive, taking less than 53 minutes to reach a full charge. In addition to a quick charging time, the device gained 8 hours and 12 minutes of autonomy from a 5-minute quick charge, almost three hours more than its predecessor, placing it in the top half of the database.

In terms of efficiency, the Xiaomi 14 showed generally low discharging currents, except for listening to music under 4G conditions, meaning that the device is generally well-optimized. The wired and wireless charge efficiencies were good, but the residual power drain when the device was fully charged and still on the wireless stand was relatively high.

Compared to other devices in the Premium segment ($600 – $799), the battery experience of the Xiaomi 14 ranked among the top devices, with its good autonomy and efficiency, and its excellent charging experience.

About DXOMARK Battery tests: For scoring and analysis in our smartphone battery reviews, DXOMARK engineers perform a variety of objective tests over a week-long period both indoors and outdoors. (See our introductory and how we test articles for more details about our smartphone Battery protocol.)

The following section gathers key elements of our exhaustive tests and analyses performed in DXOMARK laboratories. Detailed performance evaluations under the form of reports are available upon request. Do not hesitate to contact us.

Autonomy score is composed of three performance sub-scores: Home / Office, On the go, and Calibrated use cases. Each sub-score comprises the results of a comprehensive range of tests for measuring autonomy in all

kinds of real-life scenarios.

A robot housed in a Faraday cage performs a set of touch-based user actions during what we call our "typical usage scenario" (TUS) -- making calls, video streaming, etc. -- 4 hours of active use over the course of a 16-hour period, plus 8 hours of "sleep." The robot repeats this set of actions every day until the device runs out of power.

Using a smartphone on the go takes a toll on autonomy because of extra "hidden" demands, such as the continuous signaling associated with cellphone network selection, for example. DXOMARK Battery experts take the phone outdoors and perform a precisely defined set of activities while following the same three-hour travel itinerary (walking, taking the bus, the subway...) for each device

For this series of tests, the smartphone returns to the Faraday cage and our robots repeatedly perform actions linked to one specific use case (such as gaming, video streaming, etc.) at a time. Starting from an 80% charge, all devices are tested until they have expended at least 5% of their battery power.

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