

# Evaluation of the battery system up to 6,000mAh on Galaxy M31: The battery is truly unmatched, if only faster charging

A battery capacity of up to 6000 mAh is indeed the most expensive feature of this smartphone!

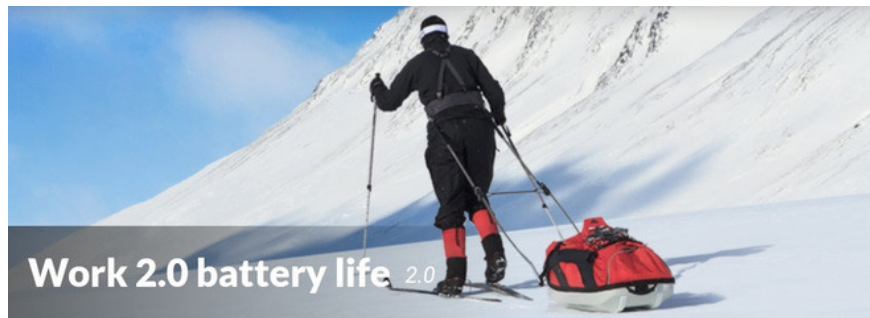
The 'collection' of Samsung mid-range devices is growing rapidly, only Sam-fans and those who are constantly updating the news will know the names of the Galaxy A and M series. others, the only things that make these models stand out are the new configurations, the different elements that directly affect daily experience.



With the newly launched *Galaxy M31* , it's battery - duration. Like its predecessor M30s, Galaxy M31 is equipped with a battery with a capacity of up to 6000mAh. To make a quick comparison, the Galaxy A51 has a 4000mAh battery capacity, the Galaxy A71 has a 'Phablet' screen raised to 4500mAh, even to its most advanced smartphone, with the number beyond Galaxy S20 Ultra Also 'only' has 5000mAh only.

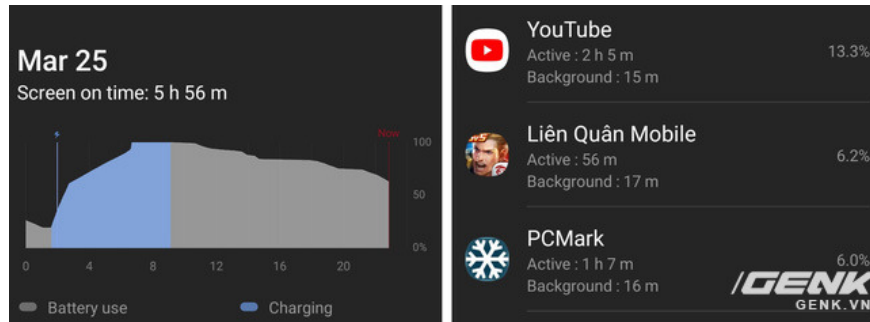


Not only that, the battery only has to burden the mid-range configuration (Exynos 9611 with Mali-G72 MP3 GPU), AMOLED screen can save maximum power by using a dark-colored interface. , black. All combined, forming a 'monster' in terms of usage time, completely surpassing other smartphones of the same company, as well as other brands.

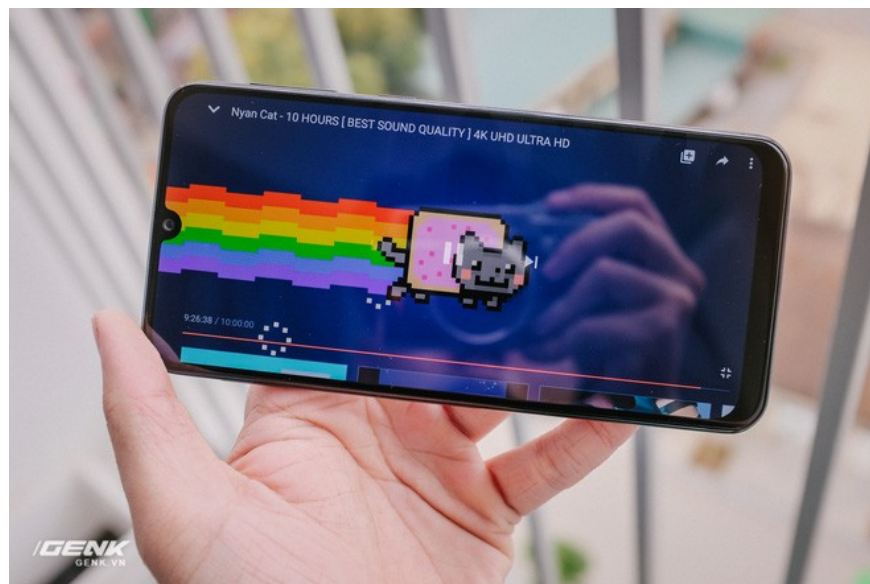


**Work 2.0 battery life 15 h 25 min**

With PCMark Work 2.0, which simulates common daily tasks, the device reaches 15 hours and 25 minutes, and continues to compare, the Galaxy A51 falls from 11 hours 15 minutes to 11 hours 30 minutes, no It's a bit bad, but it's hard to compare with the M31.



Leaving aside the automated review, what can this device actually be used for? During one day of my normal use, with 2 hours of watching Youtube videos, about 1 hour of playing Garena League, more than 1 hour of reading newspapers, some other light tasks like taking pictures, calling me, I could only do the device. 40%, or the remaining 60%. If used more economically, then the Galaxy M31 can completely "stand" through 2 days, even up to the 3rd day!



Another more fun test was playing the 10-hour Nyan Cat video, 1080p resolution with the highest brightness - Galaxy M31, from fully charged, was still up to 17%, with other models. Definitely turned off! This is an 'unreasonable' test, because no one streams videos continuously for 10 hours in a day, but also shows the extraordinary ability to survive the Galaxy M31.



The battery is good, but I'm not really happy with the charging capabilities of the device. Galaxy M31 is equipped with 15W fast charging capability, similar to other Galaxy M and A mid-range devices on the market. For smartphones like the Galaxy A51 with a smaller battery, the charging speed is not worth mentioning, but with the 'giant' battery like on the M31, the 'fast charging' suddenly turns into 'slow charging'.



It takes a total of 3 hours and 3 minutes to charge from exhausted state to 100%, with milestones including 30 minutes, 17%, 1 hour, 35%, and 2 hours, reaching 68%. Samsung also now has a higher-speed 25W standard that has been applied to the Galaxy Note 10, S20 and A71, and if this standard is applied to the Galaxy M31, the battery-charging experience of this machine will become perfect!

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