

## 18650 batteries

These 18650 batteries are 3.7 voltage each and come in a range of capacities from around 1800 to 4500mAh. The ones used for this test are on the higher end, at 4200mAh, meaning that they can supply 4.2mA for 1000 hours or 420mA for ten hours or any combination of current and time for which the product is 4200.



Most Arduino boards require a minimum input voltage of around 6V, so we'll be powering each Arduino using two batteries connected in series, with an input voltage of 7.4V to power these boards. I've also included a 3.3V Pro Mini, which is able to run on a single battery as a comparison.

## References:

<https://etqan.sa/product/battery-3-7v-rechargeable-18650/>

<https://www.the-diy-life.com/how-long-can-an-arduino-run-on-batteries-i-tested-6-of-the-most-common-boards/>