**Solar Power Bank**

Today I will be presenting this solar power bank, which works like a classical power bank, except that it can be charged with sunlight. Up to ten-thousand milliamps can be stored in the power bank, which is equivalent to 2 or 3 complete charge of your smartphone.

The power bank is twelve centimeters long, 5 centimeters wide and 2 centimeters thick. It weighs 3 hundreds grams, so that’s very lightweight. There is a solar panel in front of the battery, in the back we have some capacity information, and a flashlight. The USB ports in the top are protected to keep the battery waterproof. The battery percentage is displayed on these 4 LEDs

There are three ways in which we can use this power bank; the first one is the traditional way, like other power banks, you plug a micro-USB cable in the battery port to charge it. In average, 3 to 4 hours are required to completely fill up the battery (or 2 hours with a fast charging USB).

To replenish the battery, you can also use the solar panel. You didn’t need to push a button, the sunlight is automatically detected by the panel and it will start charging.

However, charging in this way is very slow, and it take at least 10 to fifteen hours to have a full charge of the battery, depending on the weather, if there are clouds, etc. You can still use both methods at the same time, but first you will struggle to find a power socket outside, and the battery gained by the solar panel is ridiculous compared to the “normal” USB charge.

Finally, power bank can also be used as a flashlight. By pressing the power button twice, you activate the flashlight, which has three modes: the normal light, which is static; the “SOS signal”, which display the Morse code for S.O.S;

And the last mode is called the stroboscope \*light starts flashing very fast\*.

Ultimately, we can conclude that this battery is very useful for going out, when you know your smartphone is going to run out of battery, and the fact that is waterproof is also a key feature, due to the fact that if you forgot your power bank outside to let it charge (like me), you don’t find your battery that isn’t working anymore.