

18+

PROJECT  
SAFE STORES

# BATTERIES

## GENERAL RECOMMENDATIONS



## WRAPS

**Our removable vaping batteries come wrapped in a heat-shrinkable plastic wrap essential for our safety. We must periodically check that this packaging does not have any cracks, we must also make sure that the upper part is covered with a positive insulator and that there is no liquid between the packaging and the battery.**

**The insulators are the plastic rings, often black or white, that are located at the top between the wrap and the battery. These insulate the positive pole from the negative pole and offer extra security in case the wrap cracks.**



# WHAT IS THE USEFUL LIFE?

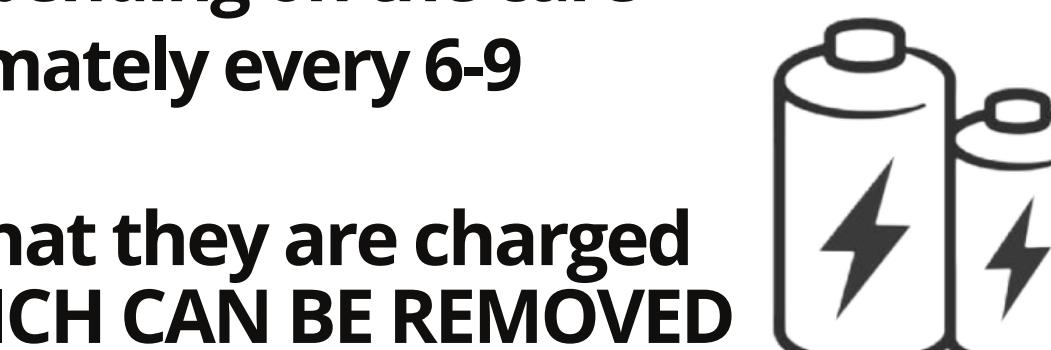
Battery capacity is measured in milliamps (mAh), the higher this value is, the more energy it can store and the larger the physical size of our battery will be.

Generally speaking, a commercial battery is prepared to perform between 250 and 350 charge cycles. This means that in a situation where it is well cared for and given the same use, a battery will have a longer useful life the higher its capacity is, since it will need fewer charge cycles to provide the same amount of energy.

These cycles count as charges from 0% to 100%, that is, if today you have used 75% of your charge and you charge it again to 100% and tomorrow you use and recharge 25% the total sum of 75% and 25% is 100% therefore even if you have charged it twice these will only count as a single charge cycle.

This means that, for example, under optimal conditions of use, recharging and storage, charging 50% of its capacity per day should last between 500 and 700 days, always depending on the specifications of the brand and model. BUT! Does this mean that the last days will work like the first? No, these charging cycles take into account the total life of the battery, as it gradually loses its capacity due to the degradation of the materials that compose it, you will have to charge them more frequently and you may get tired of the battery lasting a short time before it is completely "dead". That is why we recommend, taking into account that most of your charges will not stay within the appropriate ranges and always depending on the care you take and your vaping habits, that you change your battery approximately every 6-9 months.

Remember that you must protect them from knocks, humidity and that they are charged correctly. IF POSSIBLE, WHEN YOU HAVE AN EXTERNAL BATTERY (WHICH CAN BE REMOVED FROM THE DEVICE) WE WILL NOT CHARGE OUR BATTERIES WITHIN THE MODS. Even if they have a micro USB port, this is intended for updating their firmware and not for charging the batteries. It is essential that for optimal charging, it is done in chargers designed for this purpose.



# STORAGE AND TRANSPORTATION

We should always, without exception, store our batteries in specially designed cases or boxes, such as these. This will prevent them from deteriorating, getting scratched or, even worse, short circuiting when they are transported or stored incorrectly.

We should never leave our batteries charging unattended while they are charging or store them in the charger itself once the charging cycle has been completed.

## CAN I TRAVEL BY PLANE WITH MY BATTERIES?

Generally speaking, yes. The batteries we are talking about in this article can be transported on commercial aircraft as long as certain requirements are met.

-Batteries should always travel in the cabin of the aircraft, never in the hold (checked luggage) as they are components that can cause fires and are easier to control when they occur in the cabin as it is easier and quicker to detect and extinguish them.

-Always transport batteries in fireproof containers, such as protective boxes if you carry spare batteries and if you carry them mounted in your device, keep it completely turned off.

In any case, always check the conditions of each airline and the destination country regarding the transport of batteries to avoid scares and inconveniences.



# RECOMMENDATIONS FOR USE

- If your mod uses more than one rechargeable battery, all the batteries must be of the same capacity, lifespan, charge level and preferably from the same brand. Especially if you use a mechanical mod.
- In external batteries or integrated batteries, when you recharge the batteries through the mod, avoid vaping while the batteries are charging. This generates voltage spikes to your battery, which reduces its useful life.
- Keep your device clean and dry. We all know that water and humidity are a bad combination with electrical and electronic devices, so periodically clean the liquid that may have drained from your device so that it does not leak inside.
- Do not discharge them too much, lithium batteries suffer a lot when they are very discharged.
- Never overcharge a battery using an old or damaged charger, an overcharged battery runs the risk of catching fire.
- It is also not advisable to extend them over time, renewing them every year is not a big expense. We recommend putting a label on them with the date of purchase.
- Use them in mods with ventilation and if excessive heating occurs, check them or remove them



# DISCARD

Batteries are highly toxic. Recycle your disposable batteries, never throw them away. Contact your advisor to be able to direct you to a recycling program, it is very important that we are conscious users both for our health and for the health of our environment.

From here we can advise you to inform yourself or follow the advice of **@RECYCLEVAPE**

