

# 9 things you should know about the batteries of your floor scrubber

Did you know that:

**1**

Usually battery-operated floor scrubbers are equipped with the following batteries:



FLOODED (Acid)	GEL	AGM
<ul style="list-style-type: none"> <li>• Need of constant maintenance to restore the level of electrolyte (distilled water added)</li> <li>• Can generate gas fumes</li> <li>• Can be mounted only in one position</li> <li>• High charge cycles (1000 - 1200)</li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance free</li> <li>• No generation of gas fumes</li> <li>• Can be placed in any position</li> <li>• Can be charged everywhere</li> <li>• High charge cycles (800 - 1000)</li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance free</li> <li>• No generation of gas fumes</li> <li>• Can be placed in any position</li> <li>• Can be charged everywhere</li> <li>• Lower charge cycles (600 - 800)</li> </ul>

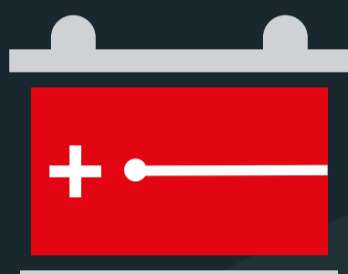
**2**

Smaller floor scrubbers can be equipped with lithium-ion batteries, a technology that has recently been introduced in the professional cleaning industry as it can be charged at any time, is lighter and is maintenance free



**3**

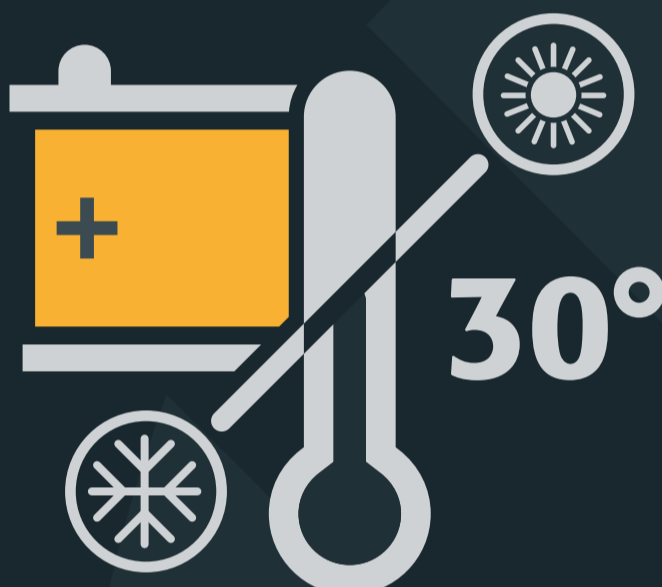
The life of a battery (life cycle) depends on the use and is expressed in terms of cycles. For lithium-ion batteries, a cycle refers to a sequence in which the charged battery is completely discharged and then recharged (complete sequence). Whereas, for other batteries (Flooded, GEL and AGM) the cycle is counted every time the battery is recharged, even if the discharge/charge is not completed



**4**

The time needed to discharge a battery is related to several factors, including temperature. Usually is considered a working temperature of 25/30°.

- If temperature is <30° the battery has a lower duration
- If temperature is >30° the battery capacity increases, but life cycle is reduced



**5**

The same type of batteries can have different performances if installed on different machines. In fact, the brush base size and type can affect the performance of the batteries, as well as the type of floor that must be treated



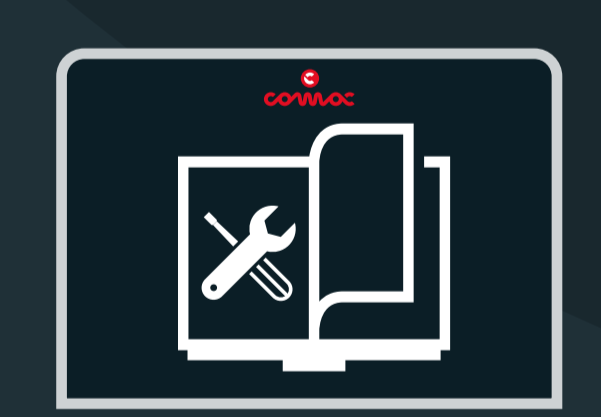
**6**

The selection of the most suitable batteries, constant maintenance and training of the staff using floor scrubbers are fundamental factors to optimize the performances and increase the duration of the batteries



**7**

Always choose the battery type recommended by the floor scrubber manufacturer, check voltage, connections and dimensions that are always indicated in the machine use and maintenance manual



**8**

Charge and keep the batteries charged if they need to be stored. Furthermore, it is important to store them in a cool and dry place avoiding the direct exposure to heat sources, such as heaters and radiators



**9**

Monthly check battery poles conditions: in the presence of oxide it is recommended the intervention of a technician for its removal



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