

STORAGE AND MAINTENANCE INSTRUCTIONS FOR STARTER BATTERIES

INTRODUCTION

The modern cars of today, have ever-increasing electrical demands. As a result, in the last 20 years, there is a significant increase in the number of cars who at some point "run out" of battery. Therefore, proper battery maintenance, before and after the battery is installed in the car, can maximize its lifetime.

THE RIGHT BATTERY CHOICE

The first step to maximizing battery life is choosing the right battery. So, particular attention should be given to the following characteristics, which are defined by the car manufacturer:

1. The battery's technology. For example, it is not recommended in a start-stop car that uses an AGM battery to fit an EFB battery (the opposite is possible).
2. The dimensions of the battery. Many vehicles can accommodate various sizes.
3. The position of the battery's poles (polarity).
4. The battery's capacity (Ah)
5. The battery's cold cranking discharge load (CCA). CCA is key to the proper starting capability of the engine.

As a general rule for both CCA and capacity, the higher the number the better. For countries with colder climates, the CCA rating is a very important consideration for selecting a battery. Conversely, for countries with very hot climates, not as much CCA is needed.

STORAGE AND MAINTENANCE OF STARTER BATTERIES

STORAGE

- Store the batteries in a cool and shaded place, away from moisture.
- Always keep the batteries in an upright position, and do not place liquids or metal objects on top of them.
- When installing a battery, do not use tools, like hammers, for connecting the cables to the poles.
- Check the battery's voltage on a regular basis (at least every 3 months). If the open-circuit voltage (OCV) is less than 12,5V, recharge it to 12.7 to 12.8V. It is recommended, that the battery charger should be equal to 10% of the battery's nominal capacity (e.g. 5A for a 50Ah battery)

Regular and sufficient charging of the battery can be decisive for its operating lifetime. For a vehicle that remains immobilized for a long period of time, it is necessary to charge the battery with a suitable charger at least every two months. Ideally, it is recommended that regular battery testing is performed by qualified personnel.



GREEK INDUSTRY OF ACCUMULATORS

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CAUTION!

Overcharging the battery can lead to permanent damage.

The batteries produced and distributed by our company are in conformity with the quality standard requirements of the EN50342-1:2015. In addition, quality control testing is performed in our factory's modern laboratory, and conducted according to the above standard.

Electronic battery testers are only suitable for testing batteries that have been in use for some time. On the contrary, they are not suitable for testing the performance of new or unused batteries. Also, battery testers are not suitable for measuring the cold cranking discharge load (CCA), as they use mathematical calculation models that cannot take into consideration various parameters regarding the architecture of each battery.

The lifetime of each starter battery is finite. However, proper battery maintenance can maximize battery life.