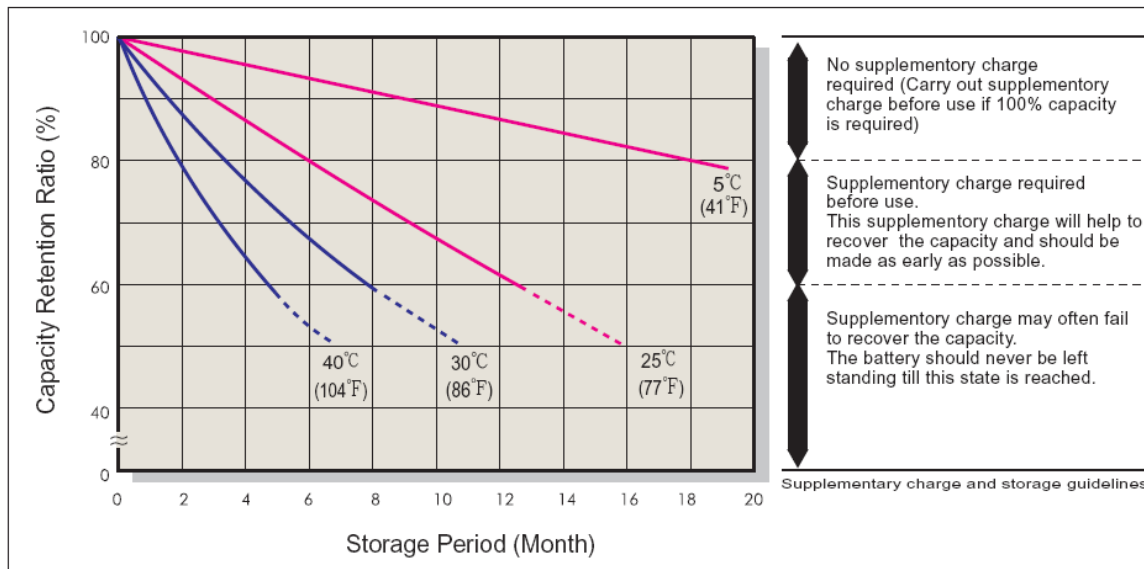


Distribution: Wide  
 Contact: -

## CSB BATTERY SHELF LIFE AND MAINTENANCE GUIDELINE

When the battery is left standing for an extended period of time, its capacity gradually decreases and enters to a discharged stage. The battery consumes the stored electrical energy without releasing it effectively to the circuits. Below chart shows capacity retention characteristics and storage guidelines.



Therefore, CSB highly recommends to perform supplementary recharge to compensate the self-discharge as below table:

Storage temperature	Recommended supplementary charge interval	Supplementary Charging Methods
Lower than 25°C(77°F)	Each 6 months	Charged by constant voltage 2.275V/cell for 16~24hrs
25- 30°C(77 - 86°F)	Each 3 months	Charged by constant voltage 2.45V/cell for 5~8hrs
Over 30°C(86°F)	Storage to be avoided	Charged by constant current 0.05CA for 5~8hrs

Issued by,

Technical Department  
**CSB Battery Europe B.V.**