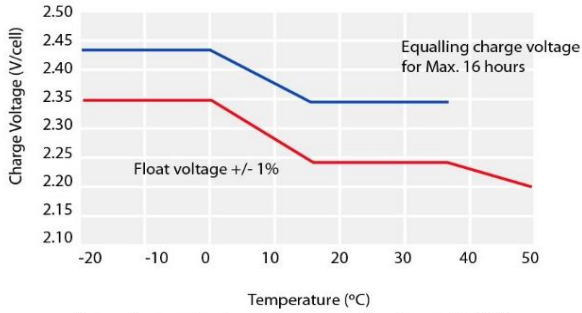


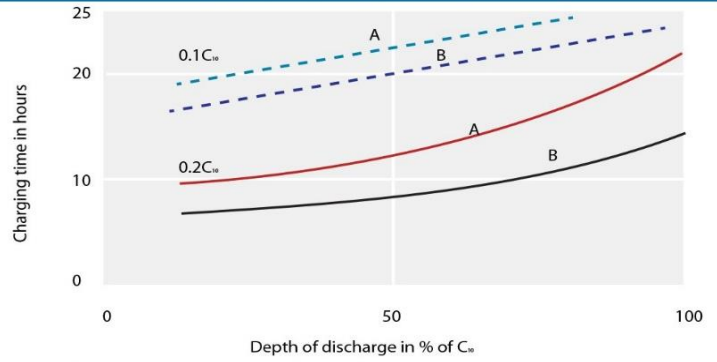


**TEMPERATURE EFFECTS IN RELATION TO CHARGE VOLTAGE**



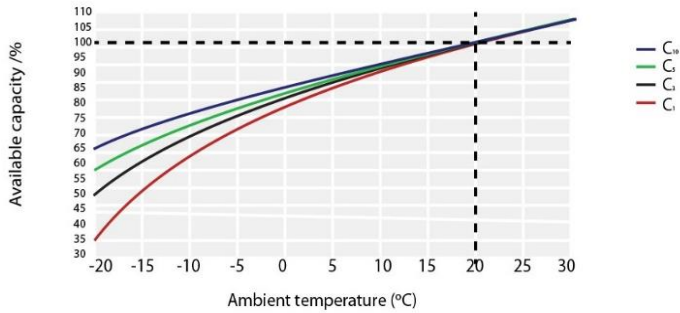
For continuous charging we recommend a voltage of 2.25 V  
The charging voltage must be compensated to the curve for a continuously different battery ambient temperature

**CHARGING CHARACTERISTICS**

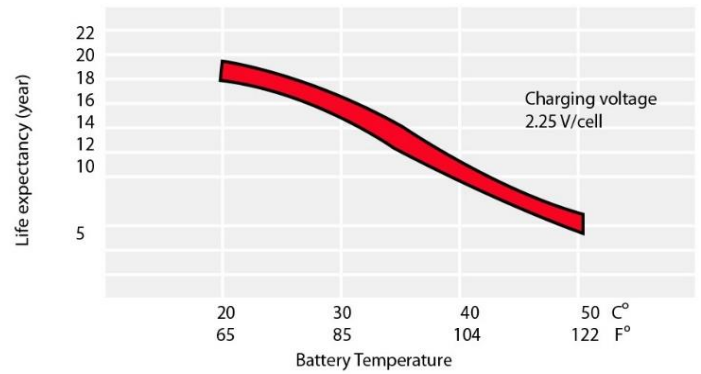


Charge voltage  
A - 2.25 V/cell  
B - 2.40 V/cell  
--- State of charge 100%  
--- State of charge 90%

**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**

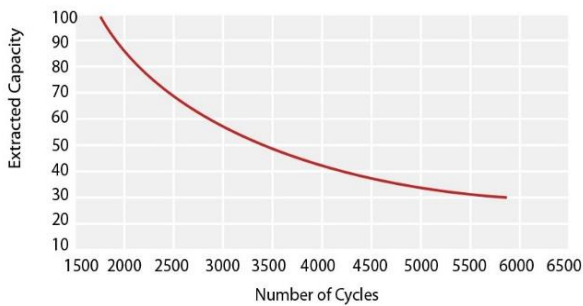


**EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE**

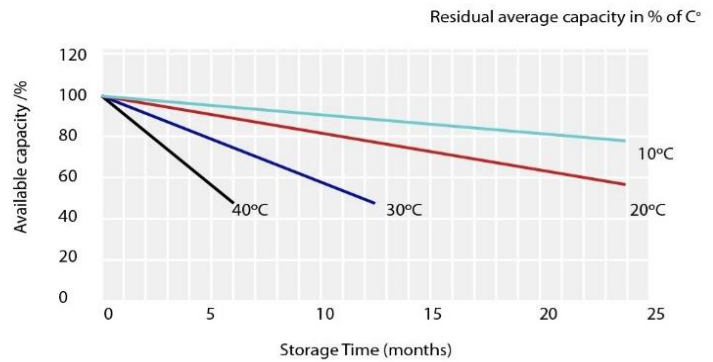


**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**

Acc. to IEC 896 (25°C/77°F)



**GENERAL RELATION OF CAPACITY VS STORAGE TIME**



**Charging**

**Cycle Applications:** Limit initial current to less than 300A. Charge until battery voltage (under charge) reaches 2.40 to 2.50 volts at 68° F (20° C). Coefficient - 5mV/°C

**“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 2.25 to 2.30 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**Note:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

**Chargers**

Power-Sonic offers a wide range of chargers suitable for batteries up to 100AH. Please refer to the Charger Selection Guide in our specification sheets for “C-Series Switch Mode Chargers” and “Transformer Type A and F Series”. Please contact our Technical department for advice if you have difficulty in locating suitable models.

**Further Information**

Please refer to our website [www.power-sonic.com](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

**Contact Information**



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