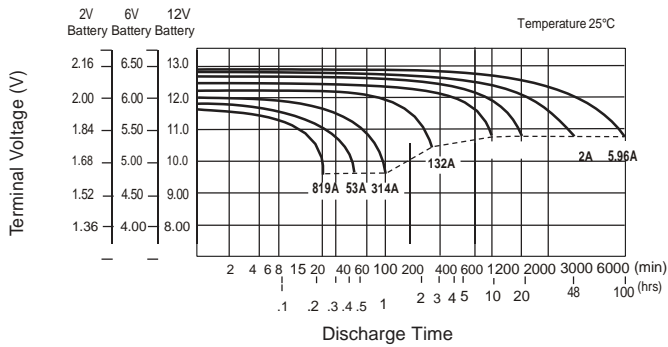
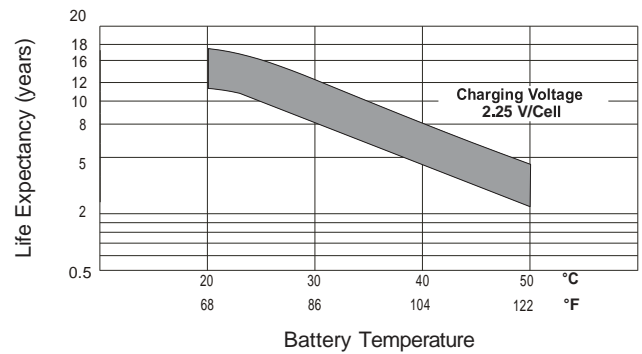


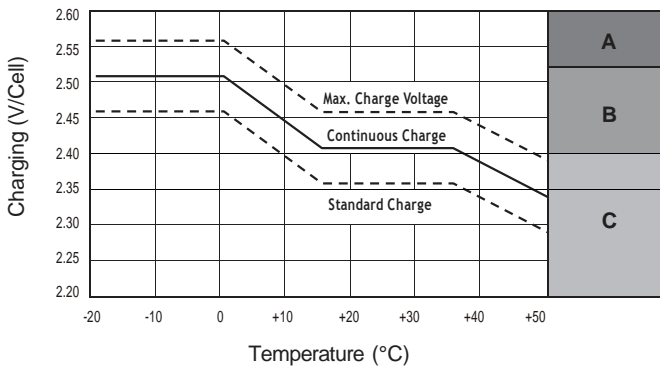
Discharge Characteristics



Float Charging Characteristics

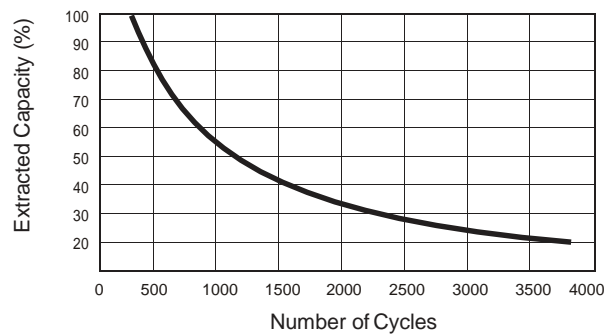


Charge Mode



- A** With switch regulator (two-step controller) charge on curve max. Charge voltage for max 2hrs/day, then switch to continuous charge
- B** Standard charge without switching
- C** Boost charge (equalizing charge with external generator) charge on curve continuous charge for max. 5 hrs/month, then switch over to standard charge

Cycle Service Life



Charging

Cycle Applications: Limit initial current to less than 150.0A. Charge until battery voltage (under charge) reaches 2.40 to 2.50 volts at 77°F (25°C). Coefficient -5mV/°C

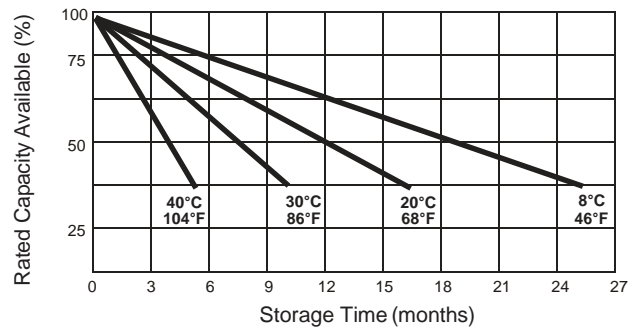
“Float” or “Stand-By” Service: Hold battery across constant voltage source of 2.25 to 2.3 volts at 77°F (25°C) continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition. Coefficient -3mV/°C

Note: Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage at 77°F (25°C) (shorter time frame at higher temp) otherwise permanent loss of capacity can occur.

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.

Self-Discharge Characteristics



Further Information

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