

BATTERY CARE

Batteries are consumable items that have limited usage life, and require purposeful care to maximize longevity.

CHARGING

- Temperature range: 0°C to 45°C (32°F to 113°F)
- Batteries will self discharge at a rate of 2-4% per month
- Avoid Continuous Charge. **Disconnect once unit is fully charged.** *Continuous charge will significantly impact battery life.*
- If unit is left in the cold for an extended period of time, allow it to warm up to above freezing before attempting to charge
- *If DC charging from a vehicle, start vehicle before connecting to the batteries to be charged, to avoid voltage spikes to the system.*

OPERATING

- Temperature range: -20°C to 149°C (-4°F to 300°F)
- Avoid fully discharging units, as it impacts the effective life of a battery.
- *Keeping batteries in hot environments increases internal stress of the battery and reduces life and capacity.*
- *If DC driving from a vehicle, start vehicle before connecting to the batteries to be charged, to avoid voltage spikes to the system.*

STORAGE

- Temperature range: 15°C to 30°C (59°F to 86°F)
- Allowable extremes are -40°C to 50°C (-40°F to 122°F) *battery life will be significantly impacted*
- Ideal long term storage (more than 4 months) conditions are: cool and ventilated area, and unit should be half charged.
- *Keeping batteries in hot environments increases internal stress of the battery and reduces life and capacity.*

REPLACING BATTERIES

- Always replace ALL batteries. NEVER mix old and new batteries.
- Make sure to install with proper polarity.