

## Maintaining Battery for Extended Storage Duration

This note outlines the requirement for maintaining the NiMH battery used in SunSet units, which the user may not require using the test set for an extended period of time. In addition to observe the published storage condition of the test set, customers will also follow the recommendation below in order to maintain the NiMH battery in good condition after storage.

- ☞ Fully charge the battery.
- ☞ Remove the battery from the test set. This can be done by firstly removing the battery compartment cover on the back of the test set, then disconnect the battery connection and remove the battery from the compartment.
- ☞ Do not store battery at high temperature, such as in strong direct sunlight, in cars during hot weather, or directly in front of a heater. This could impair the performance and shorten the operating life of the battery, and may cause battery fluid leak.
- ☞ The battery would best be stored in a temperature between  $-20^{\circ}\text{C}$  and  $+30^{\circ}\text{C}$  for longer service life. The battery will need to be recharged regularly and the recharge interval varies depending on the storage condition. It ranges from approximately 30 days to 90 days between  $-20^{\circ}\text{C}$  and  $+40^{\circ}\text{C}$ . In general the higher the storage temperature the shorter the recharge cycle requirement is. Install the battery back to the test set and use Sunrise recommended battery charger only to recharge the battery.
- ☞ After a long term storage, there is a possibility that the battery could not be fully charged initially. In order to fully charge it, charge and discharge the battery for a few times.
- ☞ Charge the battery within a temperature range of  $0^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .