Battery Application Note
Optimizing Cellular Monitors

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Exception Reporting and Improving Battery Life

Following is an example on how to setup the monitor for frequent level checks during business hours and not report at times the tank is not being used in order to extend battery life.

This is a common setup for tanks with high usage during the day and low or no usage during the evening and weekend.

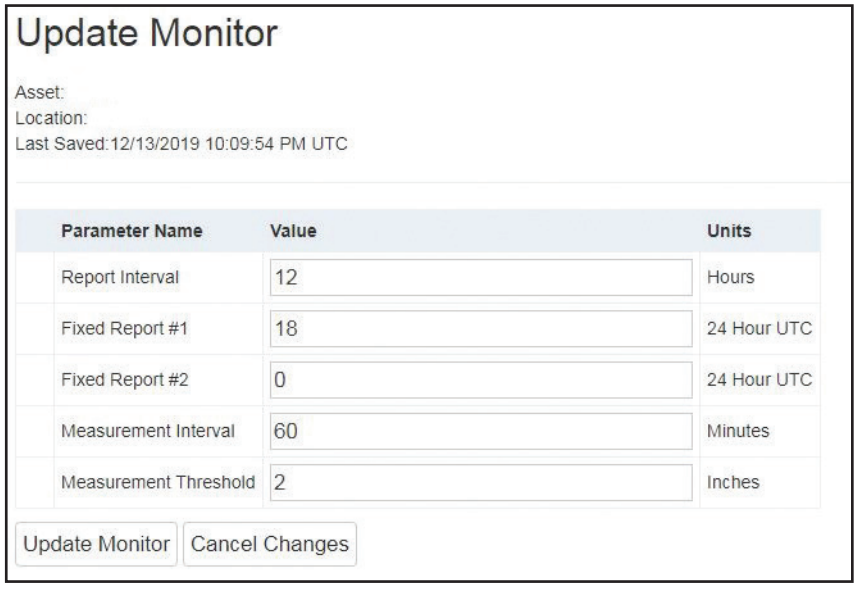
Example

Report Interval is set at 12 hours meaning the monitor will report tank level at least 2 times each day.

Measurement Interval is set at 60 minutes meaning the monitor will check the tank's level every hour.

Measurement Threshold is set at 2 inches meaning that at the expiration of each measurement interval if the level changed by more than 2 inches since the last report then send an extra report immediately.

Fixed Report #1 is set at 18 hour UTC, meaning every day at 18 UTC the monitor will report. Time conversion from Universal Time Coordinated (+0) to Central Standard Time(-6).



Battery Application Note
Battery Life Estimator

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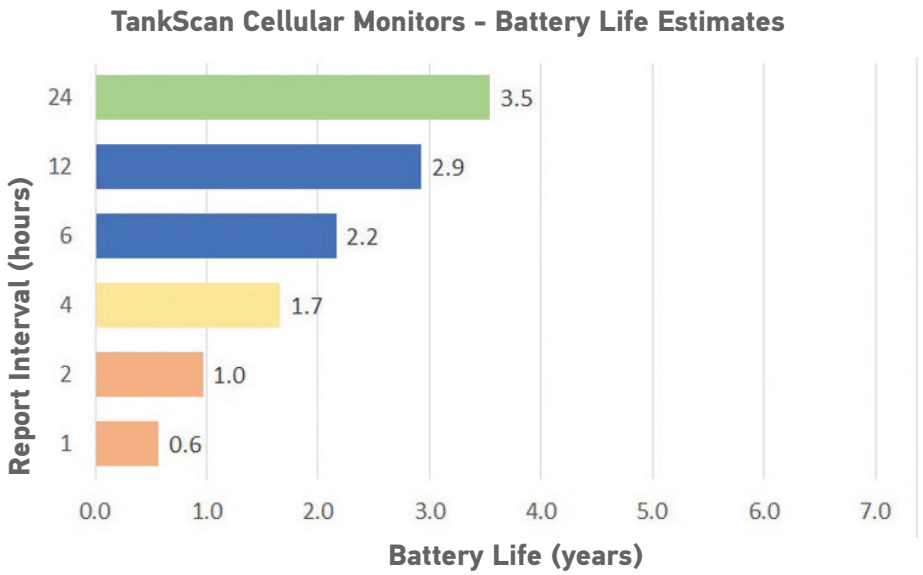
Battery life estimates vary depending on number of reports sent, ambient temperature (following estimates assume Midwest outdoor installation and seasonal temperature) and cellular or RF link quality. Actual performance will vary.

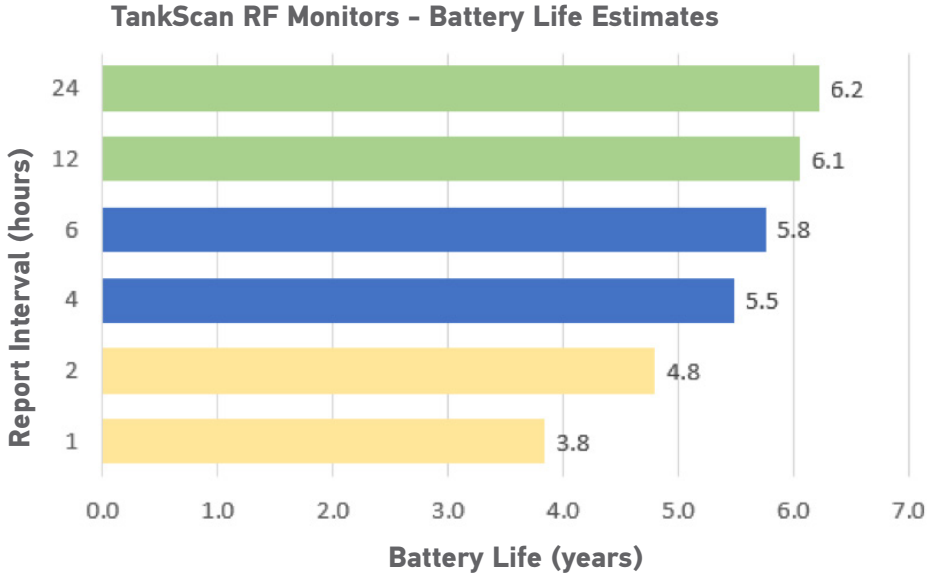
TankScan Cellular Monitors



Notes:

1. Cellular Monitors connect directly to the cellular network and are commonly used for single remote tanks.
2. Connection to cellular networks uses considerable power
3. Battery life is predominately determined by the report interval

TankScan Low Power RF Monitors



Notes:

1. RF Monitors require a local, powered gateway and are commonly used for multi tank locations
2. Connection to local gateway uses minimal power
3. Battery life is predominately determined by the monitors sleep current

Do not send used batteries to ATEK. Dispose of them in accordance with local guidelines and regulations.

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WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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