

NOKĒ HD SMART PADLOCK BATTERY LIFE ANALYSIS

This document is intended to be used as a tool to help the consumer plan battery replacement. It is not intended as a promise or guarantee of battery life. Certain environmental variables can affect these numbers and decrease the life indicated here in. Examples of these stimuli would be exposure to:

- excessive water and/or
- extreme temperatures (-25 > or < 80 degree C)

NOKĒ HD SMART PADLOCK

	MIN	MAX
Sleep Current	13uA	25uA
Wake Current	1.5mA	2.5mA
Motor Moving	60mA	80mA
Battery Life	780mAh	800mAh
Battery Self Discharge		<1%

BATTERY LIFE CALCULATION

BATTERY LIFE CALCULATION IN THE MOST BASIC FORM IS SIMPLY:

$$\text{BATTERY LIFE} = \text{BATTERY CAPACITY} / \text{LOAD CURRENT}$$

The battery life is influenced by the how frequently the device is used. The following chart shows where the battery capacity will approximately be after 24 months of use based on different usages. Each line represents a different number of unlocks per day that the device is submitted to and how it effects battery life overtime.

BATTERY LIFE VS USAGE

