10000 mAh available

Assumptions

* 1% self discharge per month = 8800 mAh available to use
* LoRa will use 50 mA per transmission which lasts for 1 second
* LoRa receiving will use 20 mA and last for 30 seconds to account for loss of synchronization
* Transmissions will occur every 30 minutes during garage operating hours 6am – 8pm
* Sensors will be interrupt activated and run 10 seconds at a time PIR when a car parks and ultrasonic every 30 minutes afterwards
* The LED will be on a 10% duty cycle
* The Arduino will draw current when active
* There will be a constant current being drained when in sleep mode