09/02/2022

How much time does the battery need to last?

What is the total power consumption of the electronics?

What type of batteries should be used? Based on reliability and capacity

Based on the battery type and total power consumption, how much time will it take the batteries to charge?

How should the battery be charged? Wired or wireless?

Should there be communication of the state of charge of the batteries?

Charging the batteries with how much voltage and current? DC or AC?

Safety requirements based on 6.1.2 from the handbook.

What power management system are we going to use?

Research of existing power management system chips?

10/02/2022

Can batteries be charged and discharged on the same time?

How should the battery charger be implemented on the baby? Maybe on the mattress, so the batteries charge whenever the baby lays on the mattress?

Are Li-ion batteries stable during charging and discharging? Is a BMS required?

Advantages/disadvantages (safety, capacity, charging and discharge behaviour) of Li-Po over Li-Ion?

What is more dangerous Li-Po or Li-Ion?

Discharging the Li-Po?

Find a charger that allows charging and discharging Li-Po?

16/02/2022

What is the output of the battery? 12V constant or does it vary?