

Worst case scenario:

Item	Current (mA)	# of Items	Total
Buttons	5	8	40
IR Sensor	40	1	40
LEDs	30	6	180
LCD	100	1	100
Microcontroller	1	1	1
Wireless	24	1	24

Total 345

6.1Ah Battery Life (Hrs)= 17.68116

Only Buttons or IR will be on, worst case is buttons

Probable:

Item	Current (mA)	# of Items	Total
Buttons	5	8	40
LEDs	30	2	60
LCD	5	1	5
Microcontroller	1	1	1
Wireless	24	1	24

130

6.1Ah Battery Life (Hrs)= 46.92308