

USB Protocol

- i. **ProductID = 4**
- ii. **VendorID = 0x0d9f**

Report ID	Usage	Usage Name	Data Access	Length
1	0X84FE	iProduct	R/O	2 Byte
2	0X84FF	iSerial Number	R/O	2 Byte
5	0X8589	iDevice Chemistry	R/O	2 Byte
7	0X858B	Rechargeable	R/O	2 Byte
8	0X852C	Capacity Mode	R/O	2 Byte
9	0X8583	Design Capacity	R/O	3 Byte
	0X8567	Full Charge Capacity	R/O	
14	0X8566	Remaining Capacity	R/O	2 Byte
11	0x858C	Warning Capacity Limit	R/O	2 Byte
12	0x8529	Remaining Capacity Limit	R/W	2 Byte
13	0x8585	Manufacture Date	R/O	3 Byte
55	0X8568	Run Time to Empty	R/O	3 Byte
15	0X8457	Delay Before Shutdown	R/W	2 Byte
16	0x8456	Delay Before Startup	R/W	5 Byte
17	0X8440	Config Voltage	R/O	3 Byte
18	0X8430	Output Voltage	R/O	3 Byte

44	0x8436	Temperature	R/O	2 Byte
19	0X845A	Audible Alarm Control	R/W	2 Byte
10		(Flag)	R/O	3 Byte
	0x8544	Charging		
	0x8545	Discharging		
	0x85D0	AC Present		
	0X85D1	Battery Present		
	0X8542	Below Remaining Capacity Limit		
	0X8543	Remaining Time Limit Expired		
	0X854B	Need Replacement		
	0X85DB	Voltage Not Regulated		
	0X8468	Shutdown Requested		
	0X8469	Shutdown Imminent		
	0X8473	Communication Lost		
	0X8465	Overload		
	0X846E	Boost		
0X846F	Buck			
0X8471	Tested			
21	0X8458	Test	R/W	2 Byte
22	0x8470	Initialized	W/O	2 Byte
23	0x8585	Manufacturer Date	R/O	3 Byte
24	0x8566	Remaining Capacity	R/O	2 Byte

25	0x8440	Config Voltage	R/O	3 Byte
26	0X8430	Battery Voltage	R/O	3 Byte
27	0x8456	Delay Before Startup	R/W	5 Byte
45	0x8436	Temperature	R/O	2 Byte
28	0x8440	Config Voltage	R/O	3 Byte
29	0x8430	Input Voltage	R/O	3 Byte
46	0X8430	Voltage(fault)	R/O	3 Byte
30	0x8432	Input Frequency	R/O	2 Byte
47	0X8441	Config Current	R/O	2 Byte
31	0x8435	Percent Load	R/O	2 Byte
32	0x8440	Config Voltage	R/O	3 Byte
33	0X8430	Output Voltage	R/O	3 Byte
48	0X8442	ConfigFrequency	R/O	2 Byte
34	0x8432	Frequency	R/O	2 Byte
35	0X8457	Delay Before Shutdown	R/W	2 Byte
36	0x8456	Delay Before Startup	R/W	5 Byte
6	0x8401	iName	R/O	2 Byte
37	0X845A	Audible Alarm Control	R/W	2 Byte
38		The Same Report 10		3 Byte
39	0X8469	Shutdown Imminent	W/O	2 Byte