Sample packets to send:
$02FCFF0001FF0001FF02F4FF$

Where:
start packet second cell request
$\overbrace{02FCFF}\underbrace{0001FF}\overbrace{0001FF}\underbrace{02F4FF}$
first cell request end packet

Start packet:
number of cells CRC
$\overbrace{02}\ \underbrace{FC}\ \overbrace{FF}$
start packet

Request packet (numbers of packets the same as numbers of cells):
data CRC
$\overbrace{00\ \ 0}\ \underbrace{1}\ \overbrace{FF}$
command

Commands list:
1 — Cell voltage request
2 — Cell temperature request
3 — Cell load request
5 — Cell charge/discharge cycles request
9 — Send voltage calibration data
A — Send temperature calibration data
B — Set load state
D — Increase cell charge/discharge cycles

End packet:
number of cells CRC
$\overbrace{02}\ \underbrace{FC}\ \overbrace{FF}$
end packet

Examples of request packets and answers:

§1 Read Cell Voltage:
Send - 0001FF
Receive like - DAEFFF - 3502 mV; where DAE is HEX value of 3502

§2 Read Cell Temperature:
Send - 0002FF
Receive like - 01CFFF - 28^oC; where 01C is HEX value of 28

§3 Read Load State:
Send - 0003FF
Receive Like - 038FFF - 56%; where 038 is HEX value of 56

§4 Set Load State:
000BFF - 0% load
064BFF - 100% load; where 064 is HEX value of 100

§5 Calibrate Cell Voltage:
D809FF - Set measured voltage to 3456 mV; where D80 is HEX value of 3456

§6 Calibrate Cell Temperature:
020AFF - Set measured Temperature to 32^oC; where 020 is HEX value of 32

Remark - 'FF' is CRC field, now not implemented yet, for simple debugging main algorithm.

Содержание