Energy harvesting board testing 1026

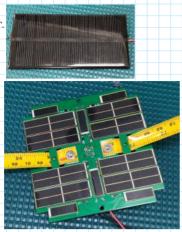
2019年10月16日 星期三

19:28

1. Apparatus:

Sdar cell 1.

Solar cell 2.



Battery:



Energy Harvesting Board:



- 2. Test behavior of 1 EXT BAT when connect different solar cell.
 - I) Connected R7
 - 2) Connected 3.7 V battery to EXT BAT.

Battery witage: 3.94 V. VBAT OÈ: 3.93 V

3.3 V OUT : 3.27 V.

3) Connected Solar cell 1 to SOLAR IN. Solar cell voltage:

Before connect: 3.85 V

After range A Dimniga hotersoon 2 10Tr - 2 LOTI

solar ven voltage:

Before connect: 3.85 V

After connect: jumping between 3.10V-3.60V.

3.3V OUT: jumping between: 3.7V-4.4V.

EXT BAT: jumping between: 3.5V-4.3V.

4) Connected Sciar Cell 2 to SOLAR IN.

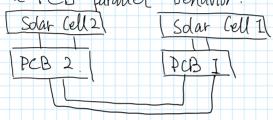
Solar cell voltage:

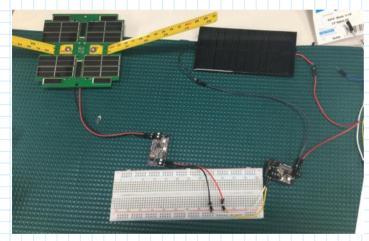
Before connect: 6.6V

After connect: 3.7 V.

3.3 V OUT: jumping between . 3.43 V - 3.47 V. EXT BAT: jumping between: 3.46 V - 4.16 V.

3. Test 2 PCB parallel behavior:





Sdar Cell I: 3.60 V

Sdar Cell 2: 3.55 V

PCBI: 3.3 V OUT : 3.29. V

EXT BAT : 4, 08 V

3.3V OUT: 3.32 V PCB 2:

EXT BAT: 4,08 V

All the measurements for parallel set up are stable.