

Zuerst muss die Konsole aktiviert werden. Dazu das Terminalprogramm auf 1200, 8,N,1 umschalten.

Dann den folgenden Hexstring an die Batterie senden:

Data: 7E 32 30 30 31 34 36 38 32 43 30 30 34 38 35 32 30 46 43 43 33 0D

Jetzt auf 115200,8,N,1 umschalten..

Data: 0D 0A senden.

Hier ist mal die Hilfeübersicht in der Konsole:

```
pylon_debug>
```

```
pylon_debug>
```

```
pylon_debug>help  
help
```

@

Local command:

adc Addr show - adc

bat Battery data show - bat [pwr][index]

bmicbld BMIC Soft Bleed Ctrl - bmicbld [chip][Val]

bmicd BMIC data show - bmicd [chip]

bmice Setup BMIC - bmice [chip]

bmicr BMIC read - bmicr [chip][Offset]

bmicsh BMIC show reg -bmicsh [chip]

bmicw BMIC write - bmicw [chip][Offset][Val]

ci Current Comm Info

cmdquit Quit the Console Mode

config config [pov/povr/phv/phvr/plv/plvr/puv/puvr/pslp/bov/bovr/bhv/bhvr/blv/blvr/buv/buvr/bslp/bsv/bv

/cot/cotr/cht/chtr/clt/cltr/cut/cutr/dot/dotr/dht/dhtr/dlt/dltr/dut/dutr/coc/coca/cocar

/eot/eotr/eht/ehtr/elt/eltr/eut/eutr/doc/doca/docar/ocd/ocr/sc/scd/scr/clc

/recinv/shuttime/uvtime/save/default][val]

/[sleep/record][on/off/day/week/month][starttime][endtime]

/[hwsleep][<on/off>][sleeptime][wakeuptime]

ct Track Comm Port Data [Port Number]

Press [Enter] to be continued,other key to exit

ctrl Contrl IO - ctrl [cfet/dfet/buzz/heat] [on/off]

data History data load - data [event/history][item]

datac Clear data - datac [event/history]

datalist Show recorded data - datalist [event/history][item/bat][batnun][volt/curr/temp/coul][item]

disp Display Info at regular intervals - disp [(pwr pwrNo)/val]/[(bats batNo)/volt/curr/temp]

eepe EEPROM erase - eepe [chip]

eepr EEPROM read - eepr [chip][Offset][size]

eepw EEPROM write - eepw [chip][Offset][Val][size]

flae Extend flash erase - flae [chip]

flar Extend flash read - flar [chip][Offset][size]

flaw Extend flash write - flaw [chip][Offset][Val]

getpwr Get power Info - getpwr

help Help [cmd]

info Device information - info

log Log information show - log

login Login Admin mode - login [password]

logc Log clear - logc

logout user mode - logout

Press [Enter] to be continued, other key to exit

logt Log test - logt [data]

md Memory dump - md [width][Addr][size]

mm Memory set - mm [width][Addr][Val]

prot Protect ctrl - prot

[bov/bhv/blv/buv/pov/phv/plv/puv/cbot/cbht/cblt/cbut/dbot/dbht/dblt/dbut/pot/pht/plt/put/coc/coc2/coca/doc/doc2/docca/sc/buzz/smartchg/default][en/dis]

pwr Power data show - pwr [index]

re Send Command To the Specified Power - re [addr][command]

rtcr RTC read - rtcr [Offset]

rtcw RTC write - rtcw [Offset][Val]

rtcsh RTC show reg -rtcsh

save Save data - save [event/history]

socr SOC read - socr[Offset]

socw SOC write - socw [Offset][Val]

socsh SOC show reg -socsh

soccfg SOC config - soccfg[subclass][Offset][value]

soccal SOC calibration - soccal [volt/current/temp/ccoffset/bdoffset] [value]

socd SOC show data - socd

tsoc bq34z100 test - tsoc

socclr clear bq34z100 data flash and reload default value - socclr

Press [Enter] to be continued,other key to exit

shut Shut down - shut

soh State of health - soh [addr]

stat Statistic data show - stat

statc Clear statistic - statc

tbar Test write Barcode - tbar[reg]

tbmic Max17830 test - tbmic

tbuz Test Buzzer - tbuz

tchg test Charge current - tchg

tclean test clear record on chip- tclean

tpv Test pack volt - tpv

tdct Test dry ct - tdct

tbcio Test ibc io - tbcio [nc/sc]

tdip Test Dip - tdip [flag]

tdisc test discharge current - tdisc

teepr Device EEPROM test - teepr

tetmp test environment temperature - tetmp

tflash Device Flash test - tflash

ti2c I2C test - ti2c

Press [Enter] to be continued,other key to exit

time Time - time [year] [month] [day] [hour] [minute] [second]

tinput test input state - tinput [rv/dcov/absent/present]

tled Test Led - tled

tmos test mosfet - tmos [cfet/dfet]

tcan Test can port - tcan [port#]

tmpicr TMPR IC read - tmpicr [Offset]

tmpicw TMPR IC write - tmpicw [Offset][Val]

tmpicd TMPR IC data show - tmpicd

tmpicsh TMPR IC Reg Show - tmpicsh

tmprctrl Bat tmpr ctrl - tmprctrl [flag]/[flag][batid][val]

trst Test Soft Reset - trst

tpwr test the total voltage of the power - tpwr

tsoh test soh - tsoh

tspi SPI test - tspi

ttmp test battery temperature - tmp

tusart Usart test - tusart

tbld Test bleeding - tbld [val]

updata updata system - updata

Press [Enter] to be continued,other key to exit

tvolt test battery voltage - tvolt

twdg Stop feeding watchdog - wdg

emptyvolt Set empty volt - emptyvolt [val]

blocksoc set block soc - blocksoc [val]

pwrsys power system info display

setprt set protocol type - setprt [solax/lg]

urates Set R485 Port Rate - urates [500000/115200/9600]

tagevolt test age volt

Remote command:

config config [pov/povr/phv/phvr/plv/plvr/puv/puvr/pslp/bov/bovr/bhv/bhvr/blv/blvr/buv/buvr/bslp/bsv/bv

/cot/cotr/cht/chtr/clt/cltr/cut/cutr/dot/dotr/dht/dhtr/dlt/dltr/dut/dutr/coc/coca/cocar

/eot/eotr/ehtr/ehtr/elt/eltr/eut/eutr/doc/doca/docar/ocd/ocr/sc/scd/scr/clc

/recinv/shuttime/uvtime/save/default][val]

/[sleep/record][on/off/day/week/month][starttime][endtime]

/[hwsleep][<on/off>][sleeptime][wakeuptime]

ctrl Contrl IO - ctrl [cfet/dfet/buzz/heat] [on/off]

data History data load - data [event/history][item]

emptyvolt Set empty volt - emptyvolt [val]

info Device infomation - info

Press [Enter] to be continued,other key to exit

login Login Admin mode - login [password]

logout user mode - logout

prot Protect ctrl - prot
[bov/bhv/blv/buv/pov/phv/plv/puv/cbot/cbht/cblt/cbut/dbot/dbht/dblt/dbut/pot/pht/plt/put/coc/coc2/coca/doc/doc2/doca/sc/buzz/smartchg/default][en/dis]

soh State of health - soh [addr]

stat Statistic data show - stat

statc Clear statistic - statc

Command completed successfully

\$\$

pylon_debug>

Beispiel für die Abfrage der Batterie 1:

pylon_debug>bat 1

<INTERRUPT>pylon_debug>bat 1

@

Battery - Volt - Curr - Tempr - Base State - Volt. State - Curr. State - Temp. - State - Coulomb

0 - 3303 - 236 - 18000 - Dischg - Normal - Normal - Normal - 68% - 33424 mAH

1 3303 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

2 3303 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

3 3303 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

4 3302 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

5 3303 -236 19000 Dischg Normal Normal Normal 68% 33424 mAH

6 3303 -236 19000 Dischg Normal Normal Normal 68% 33424 mAH

7 3303 -236 19000 Dischg Normal Normal Normal 68% 33424 mAH

8 3303 -236 19000 Dischg Normal Normal Normal 68% 33424 mAH

9 3303 -236 19000 Dischg Normal Normal Normal 68% 33424 mAH

10 3304 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

11 3304 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

12 3305 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

13 3304 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

14 3304 -236 18000 Dischg Normal Normal Normal 68% 33424 mAH

Command completed successfully

\$\$

pylon_debug>

Abfrage SOH Batterie 1:

<INTERRUPT>pylon_debug>soh 1

@

Power 1

Battery - Voltage - SOHCount - SOHStatus

0 - 3302 - 0 - Normal

1 3303 0 Normal

2 3303 0 Normal

3 3302 0 Normal

4 3303 0 Normal

5 3302 0 Normal

6 3303 0 Normal

7 3302 0 Normal

8 3302 0 Normal

9 3302 0 Normal

10 3304 0 Normal

11 3304 0 Normal

12 3306 0 Normal

13 3304 0 Normal

14 3304 0 Normal

Command completed successfully

\$\$

pylon_debug>

Statistik Batterie 1:

stat 1
stat 1

@

Device address 1

Data Items : 628

HisData Items : 2044

Charge Cnt. : 0

Discharge Cnt. : 761

Charge Times : 35859

Status Cnt. : 760

Idle Times : 38704

COC Times : 0

DOC Times : 0

COCA Times : 0

DOCA Times : 0

SC Times : 0

Bat OV Times : 44

Bat HV Times : 83

Bat LV Times : 8

Bat UV Times : 0

Bat SLP Times : 0

Pwr OV Times : 220

Pwr HV Times : 278

Pwr LV Times : 8

Pwr UV Times : 1

Pwr SLP Times : 0

COT Times : 0

CUT Times : 0

DOT Times : 0

DUT Times : 0

CHT Times : 0

CLT Times : 0

DHT Times : 0

DLT Times : 0

Shut Times : 7

Reset Times : 22

RV Times : 0

Input OV Times : 0

SOH Times : 31

BMICERR Times : 0

CYCLE Times : 11

Pwr Percent : 67

Pwr Coulomb : 120297600

Dsg Cap : 4542819

HT@0.5C Cnt : 0

LT@0.5C Cnt : 0

HT Cnt : 0

LT Cnt : 0

LV Cnt : 17416

Command completed successfully

\$\$

pylon_debug>

pylon_debug>

Datensatz Inbetriebnahme Datum:

pylon_debug>data event 1
data event 1

@

Item Index : 1

Time : 17-05-13 20:52:58

Voltage : 54015 mV

Current : 10648 mA

Temperature : 29000 mC

Percent : 100 %

Total Coulomb : 50000 mAH

Max Voltage : 54000 mV

Base State : Charge

Volt. State : High

Curr. State : Normal

Tempr. State : Normal

Coul. Status : Full

Power Events : 0x2 PHV

Bat Events : 0x0

Bat Protect ENA : BOV BHV BLV BUV BSLP CBOT CBHT CBLT CBUT DBOT DBHT DBLT DBUT

Pwr Protect ENA : POV PHV PLV PUV PSLP POT PHT PLT PUT COC2 COC COCA DOCA DOC DOC2 SC LCOUL

System Fault : 0x0

Battery - Volt - Curr - Tempr Base - State - Volt. State - Curr. State - Temp. State - Coulomb

0 - 3559 - 10648 - 28000 - Charge - Normal - Normal - Normal - 100%

1 3588 10648 28000 Charge Normal Normal Normal 100%

2 3588 10648 28000 Charge Normal Normal Normal 100%

3 3610 10648 28000 Charge Normal Normal Normal 100%

4 3589 10648 28000 Charge Normal Normal Normal 100%

5 3688 10648 29000 Charge Normal Normal Normal 100%

6 3615 10648 29000 Charge Normal Normal Normal 100%

7 3590 10648 29000 Charge Normal Normal Normal 100%

8 3716 10648 29000 Charge High Normal Normal 100%

9 3666 10648 29000 Charge Normal Normal Normal 100%

10 3535 10648 28000 Charge Normal Normal Normal 100%

11 3625 10648 28000 Charge Normal Normal Normal 100%

12 3449 10648 28000 Charge Normal Normal Normal 100%

13 3610 10648 28000 Charge Normal Normal Normal 100%

14 3587 10648 28000 Charge Normal Normal Normal 100%

Command completed successfully

\$\$

pylon_debug>