

Hi Carlo,

Thank you for all the efforts and advice.

As I said in our previous chat I've used different initialization. Finally, I figured out that the IC start charging just with a 9-V 3-A adaptor and the charging with a 5V-5A adaptor and 5v commercial voltage supply, the charge current was zero.

I've changed the topology of the board and decided to use an OR-ing supply technic or an adaptor with a boosted voltage of the battery (using TPS61088A) so I won't use the Vsys and PMID pins to drive the external board and use fuel-gauge to monitor the SOC. In other words, I just want to use bq25895 as a charger with a current of 4A but the problem still hasn't solved.

Here are the problems to use bq25895 just as a charger:

---

The charge current is zero (as shown in REG12, Using a multimeter, and hall effect ASC current sensor)

CE pin =0,-

Qon pin is 3V.-

REG09[5]=0-

No-load on Vsys pin-

Stat pin=0 >>>> changing LED is on-

Here is one of initializing test and reading values:

REG0 to REG09:

X"30",0X"05",0X"70",0X"10",0X"08",0X"13",0X"5E",0X"81",0X"03",0X"44")·)

and read values after connecting Vbus=5V , Host, and Battery:

REG00 to REG14:

x30, 0x05, 0x70, 0x10, 0x08, 0x13, 0x5E, 0x81, 0x03, 0x44, 0x93, 0x76, 0x00, 0x11, 0x3B, ·  
0x3A, 0x4C, 0x97, 0x00, 0x30, 0x3A

This configuration works with a 9-V 3-A adaptor but I want to use a 5V-5A adaptor which in this case charge current will be zero.

