

### **Measurement sensitivity CX-Series (Positive grounding):**

#### **Current accuracy:**

CX10 about. 300mA ~ 3% of max value (percentage of current measuring)

CX20 about. 1,32A ~ 7% of max value (percentage of current measuring)

CX40 about. 4,9A ~ 12,3% of max value (percentage of current measuring)

#### **Ah accuracy CX:**

CX10 □ +/- 300 mAh per hour

CX20 □ +/- 1,3 Ah per hour

CX40 □ +/- 4,9 Ah per hour

#### **Ah accuracy of the CXCOM:**

CX10 +/- 1Ah per hour

CX20 +/- 2 Ah per hour

CX40 +/- 5Ah per hour

For example the PV current runs about 10h a day so the maximal Ah deficit seen in the CXCOM is smaller than:

CX10: 10Ah

CX20: 20Ah

CX30: 50Ah

***The SOC value alters max. 1,5 % per minute!***

#### **System examples (12 V system):**

Module power (Wp) = 20W -> max. charge current is around 1.15 A -> must be shown by CX 10, not by CX20 and CX40

Note: If the battery is charged well so that PWM of the regulator is on the value of the charge current is less than 1.15 A

Load (W) = 15W -> average current is 1.25A -> must be shown by CX 10, not by CX20 and CX40

Note: If the load is only on for a short time the result will be a near zero (mall value of current multiplied by small value of hours).

***Real values can be seen only if using a multimeter.***