Functional test

**Buck test**

1. Connect a resistive load at , with an amp-meter in series.

Corresponding to an output at

1. Connect the J3 and J4 to the RT-box.
2. Connect the external 12V and 5V power supply.
3. Connect the pv-simulator to the input of the converter.

**Boost test**

1. Connect a resistive load at , with an amp-meter in series.

Corresponding to an output at

**Measurement points**

1. Input and output voltages and currents
2. Vgs of the MOSFETs.
3. Current in the inductor
4. Compare actual values with values obtained from the sensors.