

Application note



Subject:
Load balancing in residential applications

Industry:
EV charging stations

Product:
EM511

Customer:
OEMs, System integrators

CUSTOMER ISSUE

When an EV charger is installed without any control function, the risk is exceeding the maximum allowed power, if other appliances are switched on at the same time.

OUR SOLUTION

The EM511 provides real-time monitoring of electric variables including energy and power.

By installing the EM511 into the main cabinet, the controller or the EV charger can read the real-time value via the Modbus RTU communication, reducing the EV charging power when other loads are connected.

BENEFITS

- Quick setup wizard for configuration in a few seconds
- 100 ms refresh time for the immediate reaction of the system
- 1-DIN module only