## Siemens PAC2200 – quick configuration manual

The steps below describe how to configure a Siemens PAC2200 Smart Energy Meter to an Alfen charging station.

- 1. Install the PAC2200 meter according to the installation specifications in the Siemens manual.
- 2. Connect the PAC2200 meter with a UTP cable to a local network (switch), where the charger and laptop are connected to as well.
- 3. Make sure to set the PAC2200 meter into the same IP range as charger and laptop. The easiest way is to disable DHCP and set a fixed IP for the PAC2200.
- 4. To do this, use the buttons to go the 'Modbus TCP' settings on the PAC2200 screen.
- 5. Then put the 'DHCP' setting on 0.
- 6. Set an IP of your choice, that is within the range of your charger and laptop.



7. In the ACE Service Installer, make sure Active loadbalancing is activated with the following settings:

## Active load balancing Active balancing TCP/IP Meter SCN Data Source Received Measurements Protocol Selection Active load balancing Meter Include charging EV Modbus TCP/IP

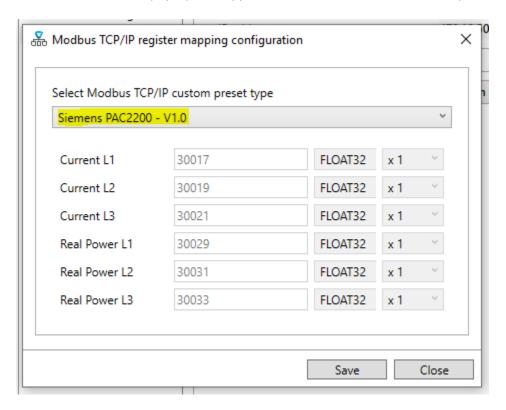
8. Under 'TCP/IP meter', enter the IP address of the PAC2200 and make sure the Slave address is set to 255:



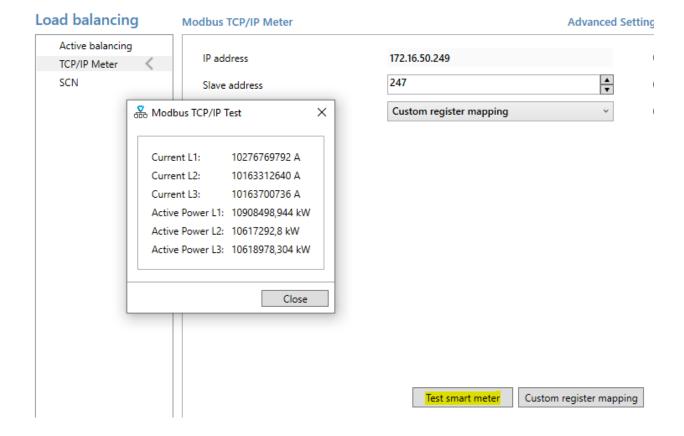
9. In the right bottom of the screen, click the button 'Custom register mapping'



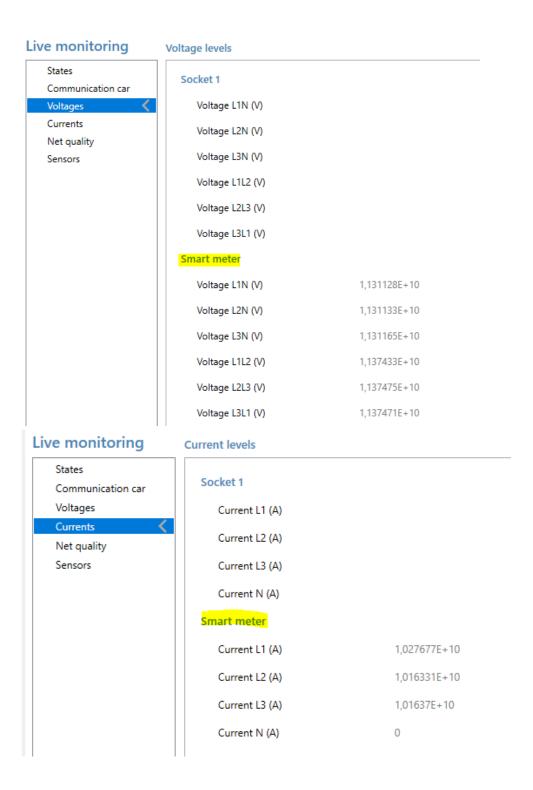
10. In the pop-up that appears, select the 'Siemens PAC2200' preset from the dropdown:



11. Now the communication with the PAC220 should be set up. You can check this by clicking the 'Test smart meter'-button and see if values appear in the pop-up.



12. You can also check for values under 'Voltages' and 'Currents' in the Live monotoring tab.



- 13. If you see the expected values, you know the meter has been set up properly and Active loadbalancing will now be conducted by the Siemens PAC2200 Smart Energy Meter.
- 14. You can verify this by performing a functional test with the charging station.

Please note that the values in the screenshots are not correct due to a scaling issue, this is not relate to a faulty meter. In the field, you will see realistic values.)