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#!/usr/bin/env python
# -*- coding: utf-8 -*-

#
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#
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#
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#
# IDLE Python version 2.7.9
#
# Example, how to read the "Charge Current Setting" from the Phoenix EV Charge
# Control
# using Modbus/TCP
import socket
import struct
import time
import urllib as url1
import requests

def LesenStrom(Strom):
    # Hier muss die TCP/IP Adresse Ihrer Wallbox stehen
    TCP_IP = 'xxx.xxx.xxx.xx'
    TCP_PORT = 502
    BUFFER_SIZE = 0

    try:
        sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        sock.connect((TCP_IP, TCP_PORT))
        # Lesen Actual Charge Current Setting aus Modbus Holding Register:
        # Slave address: 180, Starting register: 300, Number of registers: 2
        req = struct.pack('>14B', 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x6, 0xb4, 0x3,
0x1, 0x2c, 0x0, 0x1, 0x76, 0x87)
        sock.send(req)
        rec = sock.recv(11)
        BH='H'
        s = struct.Struct('>3H 3B %s%s' %(1, BH))
        data = s.unpack(rec)
        Strom = data[6]
        time.sleep(2)
    finally:
        sock.close()
    return Strom

if __name__ == "__main__":
    Strom=99
    Strom=LesenStrom(Strom)
    print "Charge Current Setting:",Strom

```