Robotina d.o.o.
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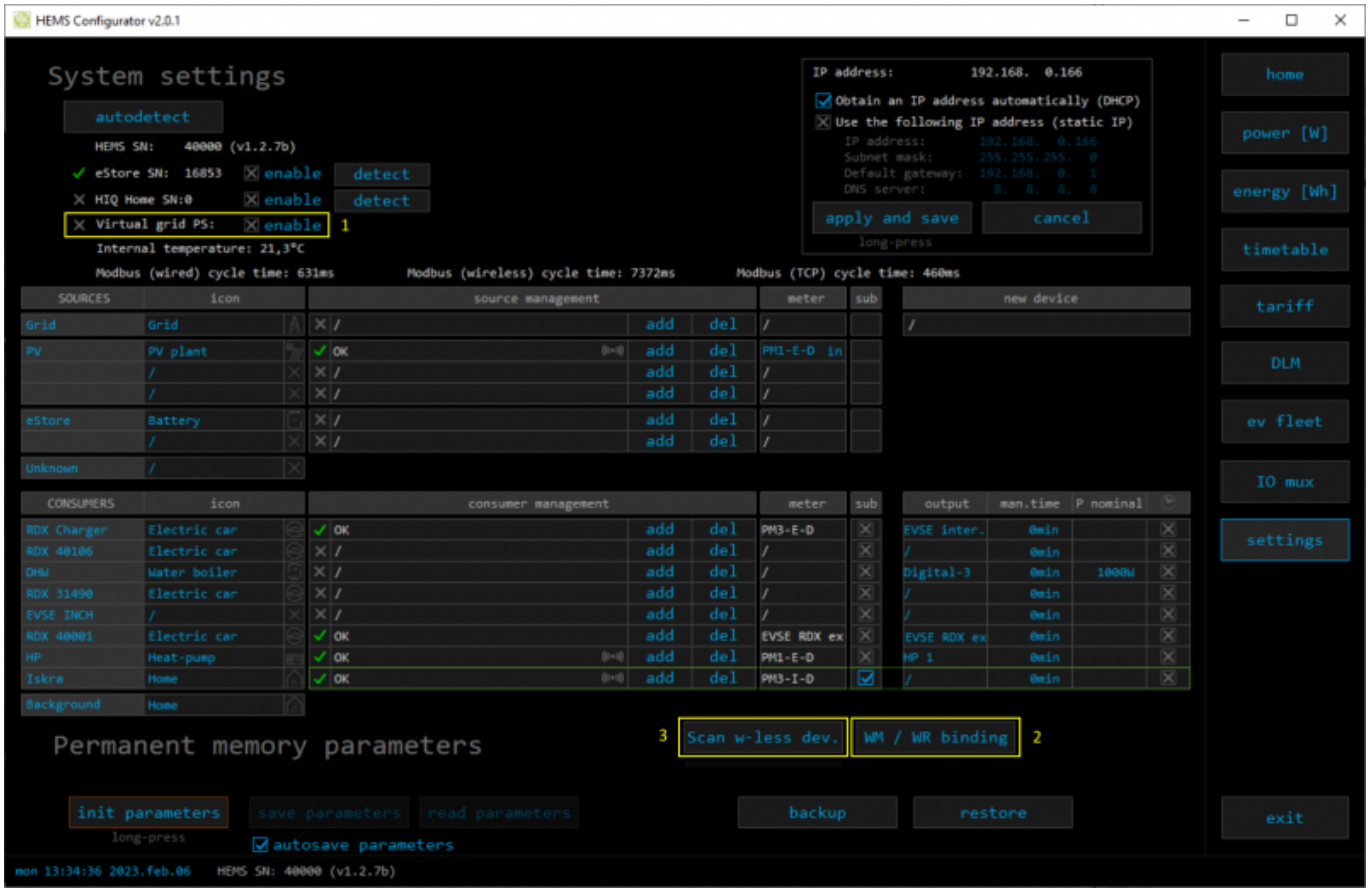
Dynamic Load Management

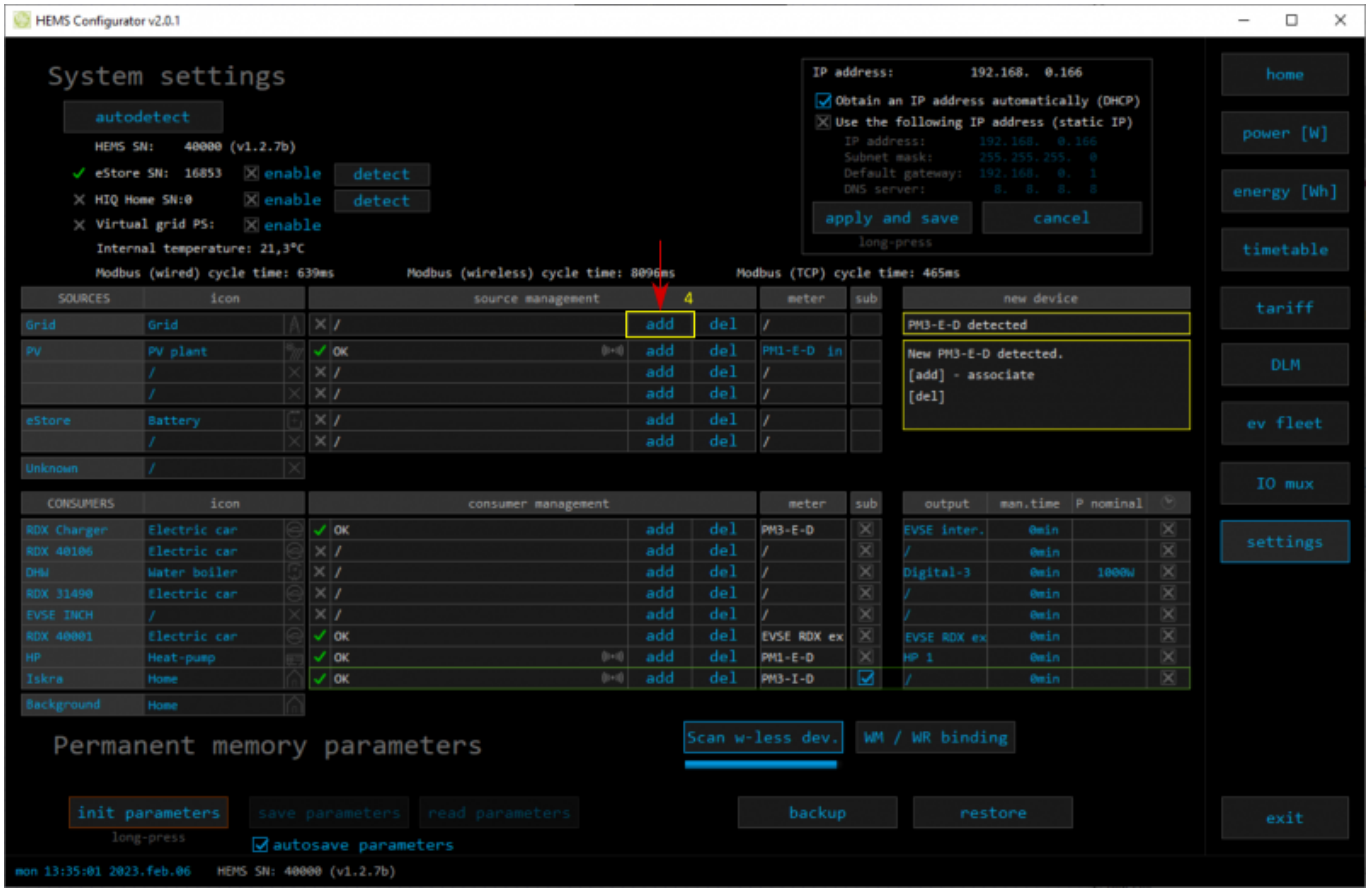
RDC Charger supports power consumption (current draw) control to prevent circuit breaker tripping (overloading).
Overloading causes multiple high-energy appliances working at the same time, such as an oven, dishwasher, heat pump and EV charging.
RDC Charger monitors a current draw by appliances and in real time allocates (limits) available capacity allowing them to run without overloading.
NOTE: Power sensor must be mounted so that it can measure power & current on grid (power supply for home/facility).

Procedure to activate Dynamic Load Management is as follows:

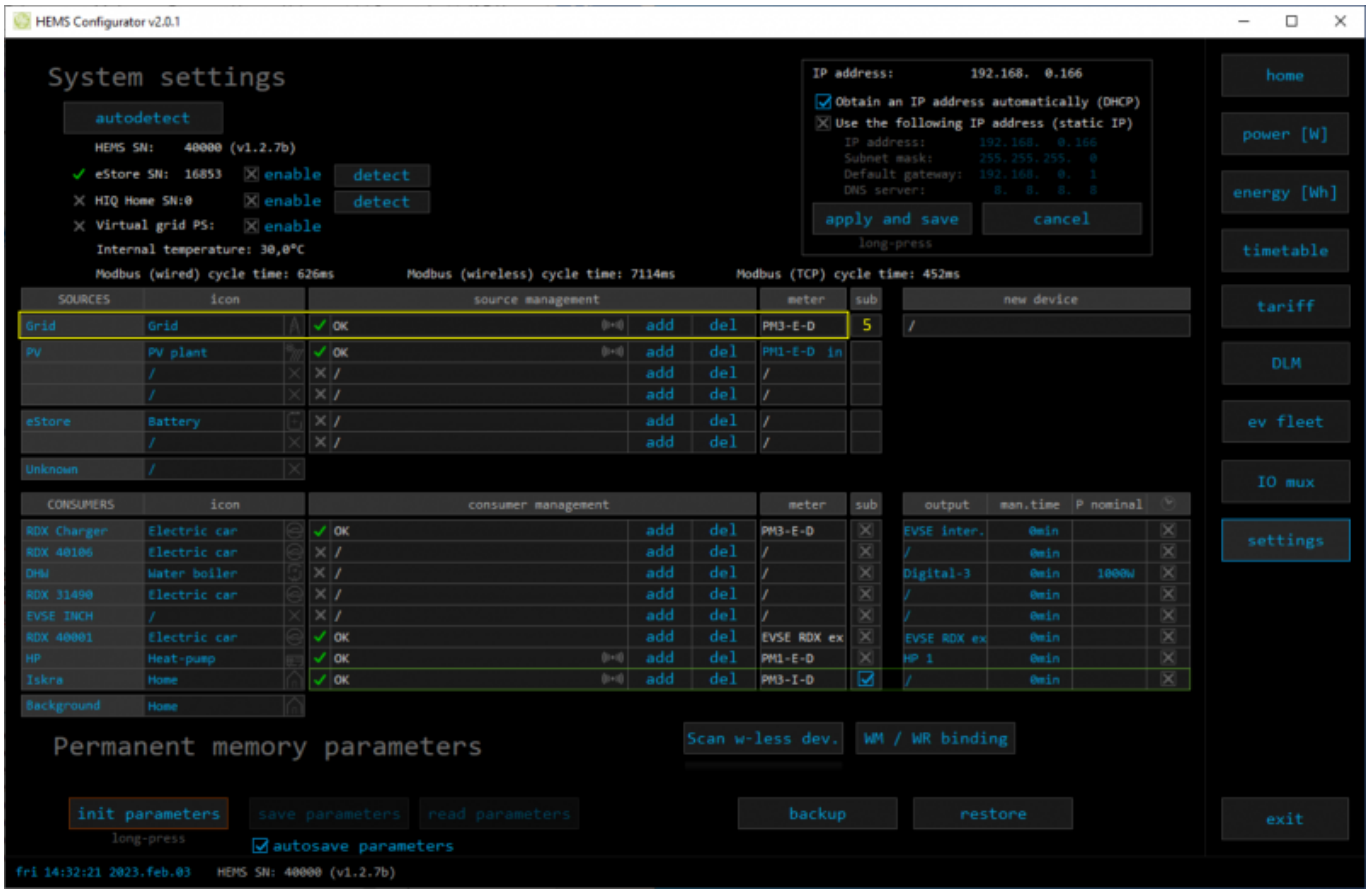
- HEMS Configurator → settings → Virtual grid PS must be disabled (1)
- Wire PM1-E-D or PM3-E-D to WM-1 module (use default address 149 or manually set address to 150)
- HEMS Configurator → settings → select WM/WR pairing button and follow WM/WR pairing instructions (2) (3)



- Power sensor is detected. Add it to grid position (4)



- Power sensor configured successfully (5)



- HEMS Configurator → DLM, enter allowed current value of grid fuses (6)
- make sure to configure correct phase order (7), otherwise dynamic load management may not

work properly

- select limiter priority for RDC Charger (8): no limiter, limit last (last to be limited), limit second, limit first (first to be limited)