Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

Dynamic Load Management

RDX 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.
RDX 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 object/home).

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
- HEMS Configurator → settings → select WM/WR binding button and follow WM/WR binding 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 phase order (7) correct, otherwise dynamic load management may not work properly
- select limiter priority for RDX Charger (8): no limiter, limit last (last to be limited), limit second, limit first (first to be limited)