

EV fleet

RDX charger supports connection of up to 8 RDX Chargers - EV fleet.

In such configuration only one RDX Charger (master) is in charge of other connected chargers (slave). Master RDX Charger monitors:

- current draw by other slave chargers and in real time allocates (limits) available capacity allowing them to charge without overloading,
- data from slaves such as power, energy & settings and synchronize them with cloud service, therefore no need for extra IOT linker on slave RDX Charger.

Note: If there is no grid power sensor, master charger enables limiting of complete ev fleet by virtual grid power sensor.



Only one RDX charger is master in ev fleet!

Procedure to set RDX Charger as slave is as follows:

- RDX Charger → set Max current (1)
- RDX Charger → enable "EVSE works as slave" (2) Master SN presents serial number of master charger, it will appear once connection is established.
- RDX Charger → set current if connection with master is lost (3)
- HEMS Configurator → settings → set static IP (it's recommended) (4)
- HEMS Configurator → limiter → set "No limiter" for RDX Charger (5)



Procedure to set RDX Charger as master is as follows:

 HEMS Configurator → settings → output column → select "EVSE RDX external" at desired position (1). Note that "EVSE inter." is reserved and can't be changed!



• HEMS Configurator → settings → enter name and select icon (2). Message "Error - device is not responding" may appear as IP address is not defined yet.



- HEMS Configurator → limiter:
- (3) enter allowed current value of grid fuses in case of connected grid power sensor, or max current limit of complete ev fleet if there is virtual grid active
- (4) make sure to configure phase order for grid and RDX Chargers correct as dynamic load management may not work properly. **Double check!**
- (5) select limiter priority for chargers: no limiter, limit last (last to be limited), limit second, limit first (first to be limited)

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• HEMS Configurator → IO mux → enter IP address of slave RDX Charger (6). Serial number (SN) will be listed automatically once connection is established.

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- HEMS Configurator → ev fleet:
 - (7) master RDX Charger,
 - (8) connected slave RDX Charger with enabled control by master (green tick) and
 - (9) connected slave RDX Charger with disabled control (red X) \rightarrow master can not control it! To enable control, run RDX Charger app on slave charger and enable "EVSE works as slave".



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