

Case Study

Peak Shaver for EV-Charging on small grid connection



Facts:

Customer/ Project: **Tango Electric**

System: On-Grid

System size: 120 kW / 132 kWh

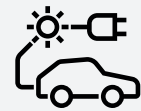
Installed: 2020

Location: Fuel Station, Netherlands

Application



Peak Shaving



EV-Charging

Initial Situation



Tango is a Dutch company with more than 190 fuel stations all over the Netherlands. At their location in Deventer, the transition of fuel stations as a petroleum player to a mobility player shall be shown. Additionally to usual fuel, HVO and CNG, electrical charging shall be offered. Therefore, the clients want to fully charge their vehicle in a very short time and with green energy which is not possible using only the energy of the common grid.

Our Solutions

Two charging stations with a power of 160 kW each have been installed at the fuel station. In combination with our 120 kWh / 140 kWh energy storage system, the necessary power and energy can be supplied. Additionally, 66 solar panels are installed on the roof to recharge the battery storage during sunny hours. Whenever the energy is needed, our PWR Boosters can provide it. The storage control system is managing the system to minimize the energy cost for the fuel station owner and to prevent any additional grid upgrade.

Benefits

No additional grid upgrade needed

Providing more energy at the same time

Delivery of high power and currents

Fast charging

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