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

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.

Application
- Peak Shaving
- EV-Charging

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 kW 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 Solution Powerbooster 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

For further information, please contact
Jasmin Laubach, +49 6042 81339
jasmin.laubach@exidegroup.com

exidegroup.com

Creating the future – the Exide way:
Innovation  Reliability  Sustainability  High Performance