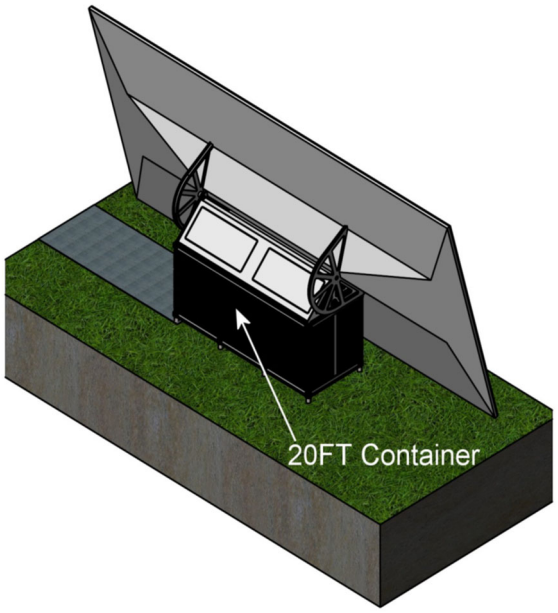
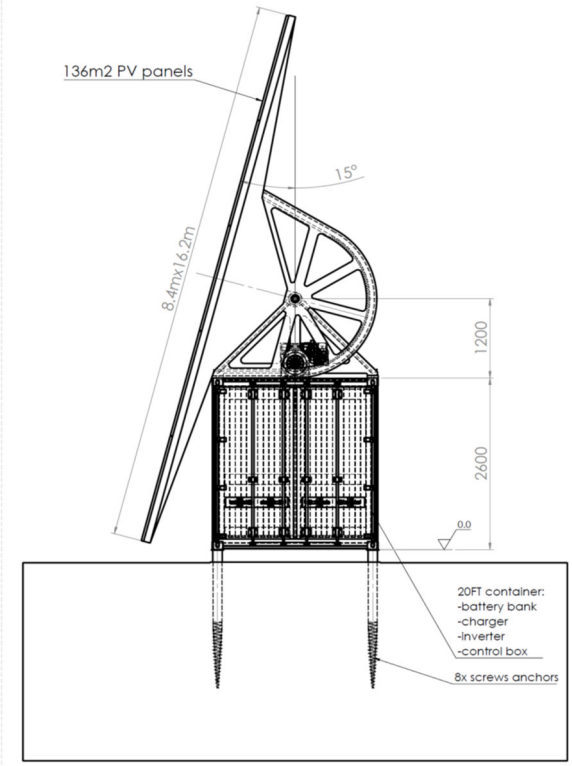
Energy container ©HELIOBOX 25kWp

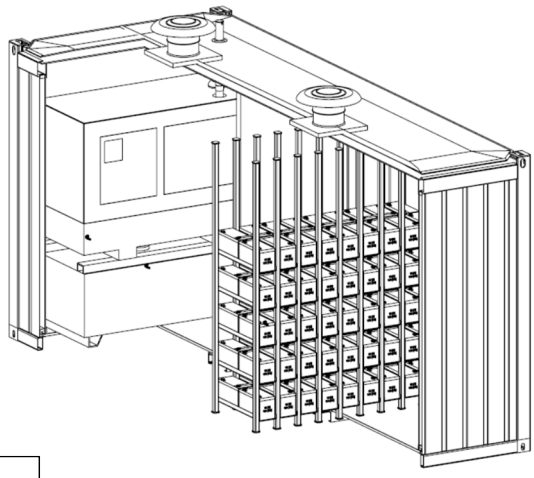




HELIOBOX components:

- 20FT container
- **26,24** kWp PV system with uniaxial tracker (tracking system)
- inverter with maximum output of 50kW
- control box
- battery storage (approx. 8000 charging cycles). Total capacity:100 kWh)

For transport purposes all components of the system are located in the 20FT and are set up at the location.



The Heliobox power plant with a PV panels output of 26.24 kWp can generate approx. 36,700 to 91,500 kWh per year depending on the location i.e. solar irradiation of 1,000 (e.g. Germany) to 2,500 kWh / m² (e.g. countries in the equator zone). In order for diesel generators to be able to achieve such yields, they need around 12,200 to 30,600 liters of diesel fuel per year and if they are to take over the full energy supply they must be operated in so-called continuous use (365 days with 80% nominal output (typical design for generators)). Another advantage of the HELIOBOX is that it can cover peak loads of up to 50 kW. Moreover, HELIOBOXes can be easily connected in parallel and thus expand the installation depending on the needs.

For locations with global solar radiation of 1000 (e.g. Germany) to 2500 kWh / m² (e.g. equator zone), the system can achieve a yield between 36,000 and 90,000 kWh per year.

DR Zaber GmbH
10.2020