



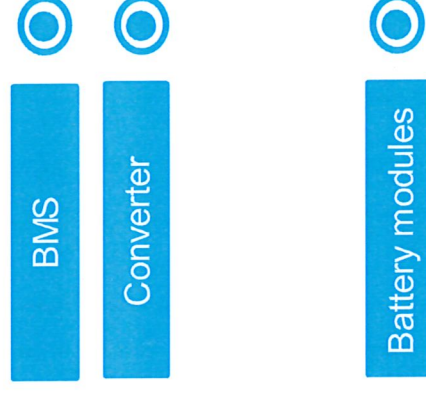
Solution Powerbooster general information

Solition Powerbooster

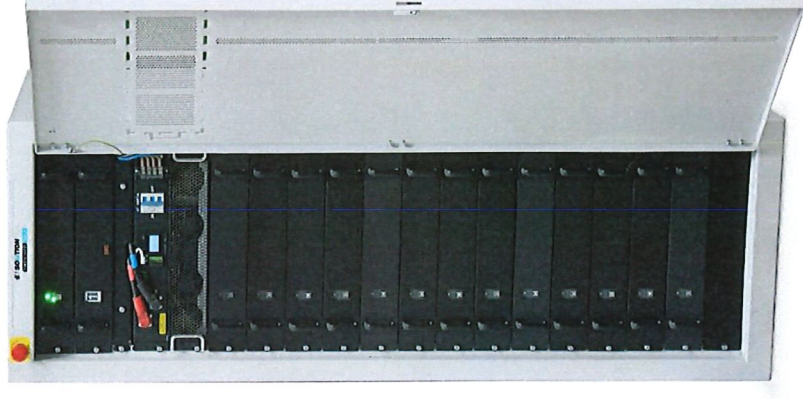
Specifications batteries and converter

19" rack, equipped with:

- Battery Management System (BMS)
- 30kW industrial, bi-directional converter
- 13 Li-NMC battery modules
- Each **19" module**, equipped with:
 - Battery controller
 - Nominal voltage: 50.4 V (cell: 3.6 V)
 - Capacity: 2.6 kWh
 - Depth of discharge (DoD): 90 %
 - Charge / discharge rate: 0.5 C / 1.0 C
 - Charging / discharging power: 15 kW / 30 kW



19" Battery rack



Solition Powerbooster

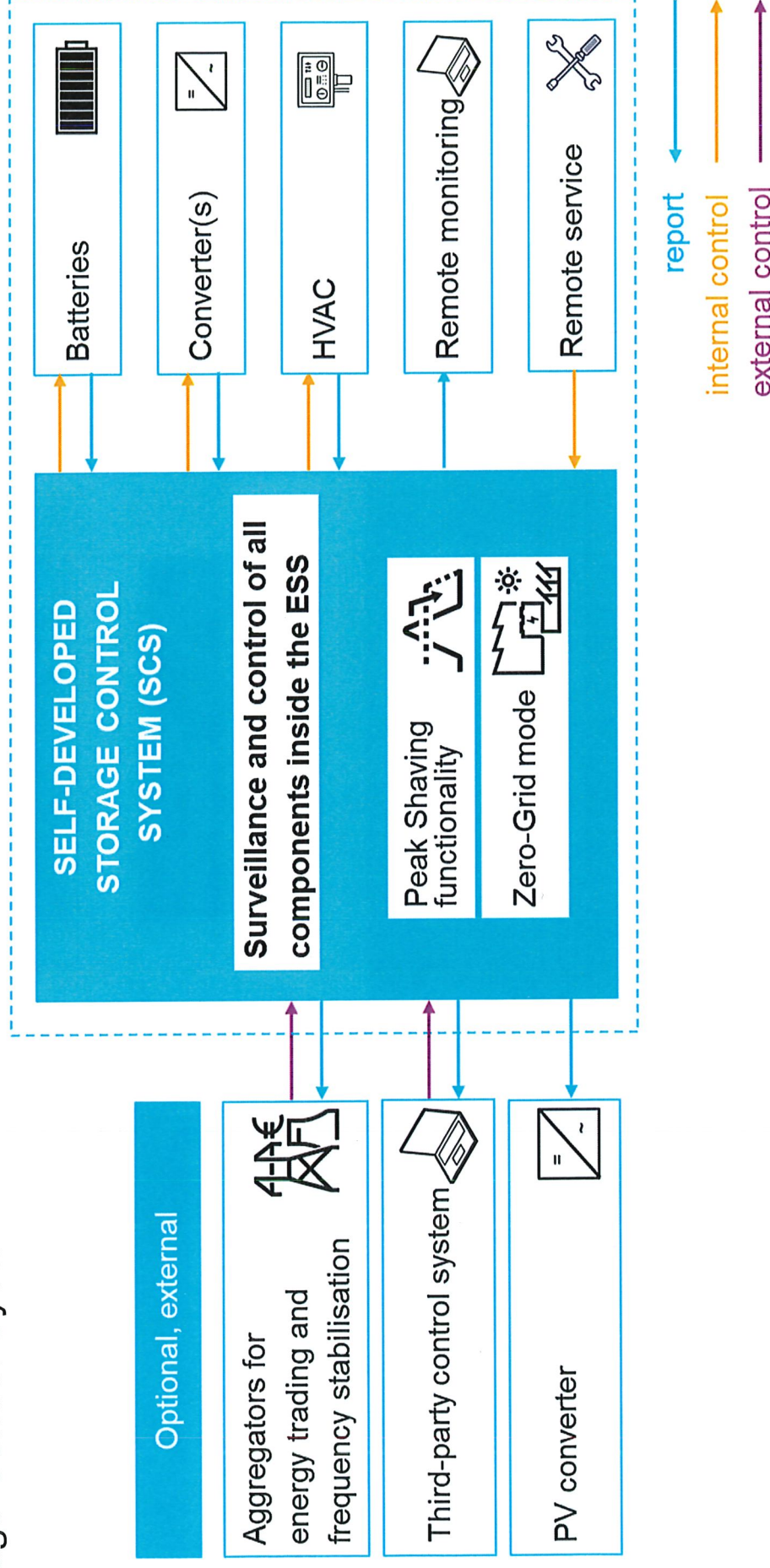
Additional specifications

- Weight: approx. 500 kg
- Dimensions: 600mm x 720mm x 1940mm (WxDxH)
- IP20 Indoor / IP55 Outdoor
- Standard color: RAL9160
- Warranty conditions:
 - 4000 full cycles or 5 years (whatever comes first)
 - End of life (EOL): 75% of the original capacity
 - Depth of discharge (DoD): 90%



Solition Powerbooster

Storage Control System



Solition Powerbooster

Remote monitoring

Optional

4G Internet connection

+ Azure data cloud

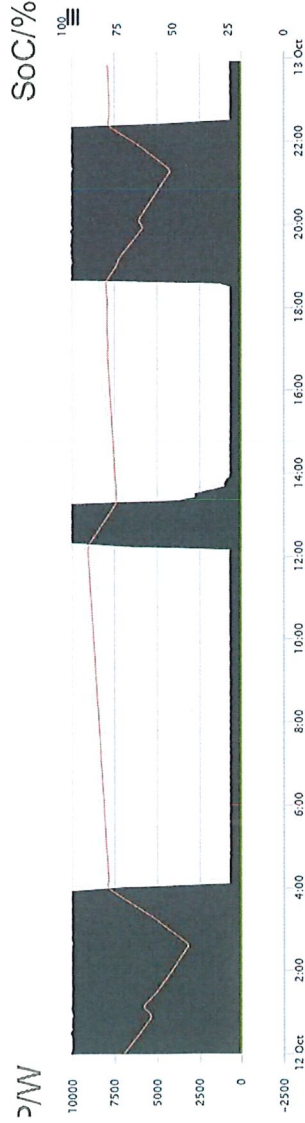
- Real-time monitoring
- Historical data collection
- Web-based platform
- Remote maintenance with firmware updates
- Warnings and alarms via email
- No access to customer's network needed



Solition Powerbooster

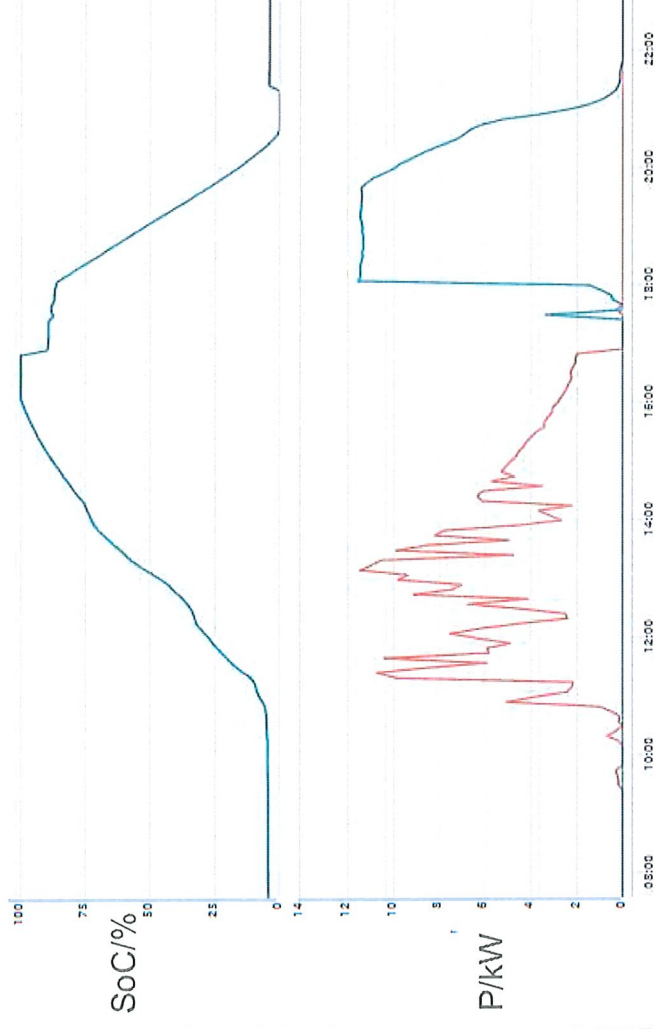
Remote monitoring – exemplary data

Feed-through application



Legend: dark grey – charging/discharging power, orange - SoC

Feed-in application with PV



Legend: red – charging, blue - discharging

Solition Powerbooster

Benefits of the Powerbooster



High safety precaution



Fast and easy installation



Modular and flexible design



Design and assembly based in Europe



User-friendly system with remote monitoring



Available in various designs and configurations



Low-maintenance



Specialized solutions like outdoor cabinets and cabinets in OE design



Possibility to plug in all kind of consumers