

# YOUR PARTNER FOR

- Engineering
- Simulation
- **Testing**



## TESTING OF ENERGY STORAGE

Modern energy storage systems have become an indispensable part of our daily life. Whether in areas of mobility, energy storage for on-demand power supply or applications in rail and air transport - the number of applications and the associated quality and market requirements are constantly growing. Comprehensive tests are necessary to ensure the safety and function of batteries already during production.

PTS-Prüftechnik accompanies the entire development process of an energy storage system with a wide range of testing services. The range of services includes performance testing under extreme climatic conditions (from -70 °C to +140 °C), verification of service life and characterization testing of electrical parameters such as charge and energy efficiency. In this way, we achieve meaningful and reproducible results through extensive testing in order to identify optimization potential and significantly reduce development time and costs.

- Lifetime testing
- Analysis of cyclical aging

- Determination of the battery capacity
- Investigation of the cold start properties

- High Temperature Operating Endurance (HTOE)
- Powered Thermal Cycle Endurance (PTCE)
- Cooling and heating of battery systems

Output voltage: 0 - 5 V

Output current: up to 1,200 A

Output voltage: 0 - 130 V

Output current: up to 1,000 A

Output voltage: 0 - 1,000 V

Output current: 0 - 2,400 A

Power: over 1,000 kW

### TOGETHER INTO THE CO2-NEUTRAL FUTURE!

PTS-Prüftechnik GmbH





