



## SEDA HV RBSB

N-91000

### BENEFITS

- Fast, simple, and safe mobile on-site testing/monitoring
- No additional external power supply required
- Manufacturer-independent diagnostic system
- Reliable, intuitive process flow
- Immediate readout of battery parameters
- Battery status displayed via a traffic-light indicator
- A data record can be generated as the basis for legally compliant transport classification
- Autonomous operation via HMI touch display



Mobile test unit for high-voltage vehicle batteries



The RBSB can operate completely autonomously thanks to its internal battery and single-board computer. In addition, the RBSB features a touch display (HMI) for operation and for displaying measured values.

Via an integrated data bus interface, the RBSB establishes communication with the vehicle battery and provides the residual bus simulation required by the vehicle battery. In addition, it supplies a voltage source and immediately reads out battery parameters such as battery voltage, battery current, cell voltages, cell temperatures, battery temperature, etc. Using an evaluation performed by a software module in the RBSB and via a PC tool, the hazard level can be assessed on the basis of defined threshold values. The results are displayed on the HMI and by means of tools on a PC/laptop. With the "Battery Quick Check," this status is shown via a traffic-light indicator (green/yellow/red). In addition, a data set can be generated that serves as the basis for legally compliant transport classification in accordance with ADR, thereby enabling the transport or shipment of an HV battery. Furthermore, the RBSB enables diagnosis of the HV battery independently of the vehicle environment; for this purpose, it also provides a diagnostic interface for commercially available diagnostic devices.



### SEDA-Umwelttechnik GmbH

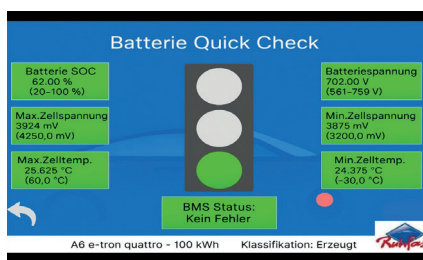
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Display indication for the Battery Quick Check



High-voltage battery connector, using the VW e-Golf as an example

### 🔗 MORE INFORMATION

- Product video
- More images
- Additional technical specifications
- Online configurator



### Mobile test unit for high-voltage vehicle batteries



The RBSB tool set includes the following components:

- Ruhfass Battery Safety Box (RBSB)
- RBSB base adapter UniDock
- RBSB charger

In addition, one of the following vehicle-specific adapters must be selected:

- RBSB adapter for Audi C-BEV vehicles
- RBSB adapter for VAG PPE platform (Premium Platform Electric)
- RBSB adapter for VAG J1 platform (Audi, Porsche)
- RBSB adapter for VAG MEB platform (Modular Electric Drive Matrix)
- RBSB adapter for VW e-Golf (MQB)
- RBSB adapter for VAG e-up!, Mii electric, Citigo e iV (NSF)
- RBSB adapter for Stellantis eCMP (Electric Common Modular Platform)

### Possible applications:

With the help of the RBSB, qualified personnel are able to monitor and assess the condition of a vehicle high-voltage battery independently of the vehicle.

The RBSB provides a cross-manufacturer diagnostic system for vehicle batteries. This means that issues such as additional costs, increased training requirements, and higher inventory effort are no longer a problem for logistics companies and multi-brand workshops. As a rule, basic training in handling vehicle high-voltage batteries from motor vehicles is entirely sufficient (e.g. for automotive workshops/production/development in accordance with DGUV-I 209-093, Level 1S/1E).

### ⚡ TECHNICAL SPECIFICATIONS

#### GENERAL:

Dimensions	36 x 30 x 19 cm
Weight	4,75 kg
Nominal voltage	12 Volt
Max. continuous current	10 Ampere
Max. short-term current	20 Ampere (10 seconds)
Battery runtime	4–6 hours (depending on the power consumption of the connected high-voltage battery, deviations may occur)
Operating temperature range	-20 to 45 °C (charging the internal battery only between 10 and 45 °C)

#### INTERNAL BATTERY:

Nominal voltage	12 V
Nominal capacity	12 Ah
Energy content	128 Wh
Cycles	>= 2000
Cell chemistry	Lithium iron phosphat (LiFePO4)

### 🏷️ ORDER NUMBER

N-91000 SEDA HV RBSB

For the complete adapter list, please refer to the product website (see QR code opposite).

