Facts and figures VARTA ELEMENT 3





SYSTEM

Nominal battery capacity System performance Depth of discharge Usable storage capacity Energy management system Dimensions (W x H x D) in mm Weight incl. battery module Protection class Mains connection Mains configuration System warranty*

BATTERY MODULE

Electrochemistry of cell Cell monitoring Charge/discharge time Warranty on the batteries*

FUNCTION

Optimization of internal consumption Energy management Power output recording Readout functions and service Visualization

SMART HOME

Data interface System extension (optional)

Control concept and monitoring

OPERATING STATES

Charge/discharge process

*according to terms of "manufacturer's warranties" (available at: www.varta-storage.de/downloads.html) **80 % residual capacity

VARTA element 3/S2 battery storage system Retrofit kit VARTA element 3

VKB No.

02700 852 201
37000 718 009



🕨 3.2 kWh

- > 1.6 kW
- > 90 %
- 🕨 2.9 kWh
- EMS VS-Pro
- ▶ 600 x 1,176 x 500
- 105 kg
- IP22
- > 400 V AC, 3-phase, 50 Hz
- TN systems, TT systems
- 7 years maintenance warranty
- Lithium-ion
- Fully integrated
- About 2 h to maximum charge state
- 10 years or 4,000 cycles**
- > 3-phase
- Integrated, fully automated
- > 3-phase via current sensor
- Ethernet
- Internet web portal and internal web server
- > XML, Modbus/TCP
- 4 programmable switch contacts for load control, SolarLog, meteocontrol, RWE SmartHome, Lichtblick (decentralized power generation)
- PC, tablet, smartphone

Self-sufficiency optimized

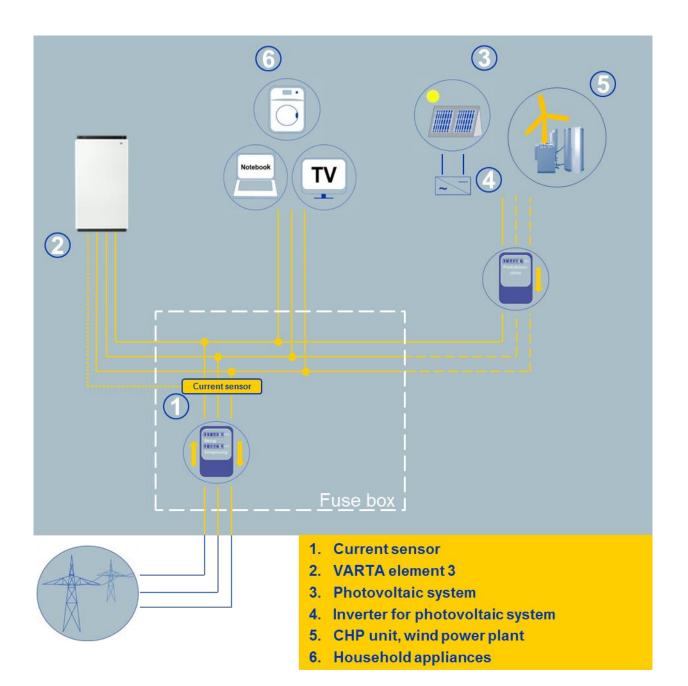
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 Issue:
 2016-06-17

 Version:
 04 supersedes version 03

Installation at a glance VARTA ELEMENT 3





Current sensor

The current sensor acts as an instrument to measure the current draw or feed into the public grid.

It is installed directly behind the electricity meter inside the fuse box for measuring the current flow through the house connection line.

Sensor unit

The sensor unit transmits the current sensor measurement result to the energy storage system. It is mounted on the current sensor.

The sensor unit is connected to VARTA element 3 via the supplied sensor cable (RJ12).

Energy generating plants

VARTA element 3 features grid parallel AC coupling and is in compliance with different power sources: Photovoltaic system, CHP Unit, Wind power plant, ...