

VARTA element

130 Years of Battery Expertise in Your Energy Storage System.



- ▶ **Teddy bear: From Grandpa.**
- ▶ **New kitchen: From the Christmas bonus.**
- ▶ **Energy storage system: From VARTA Storage.**

DECLARATION OF INDEPENDENCE – FOR FAMILIES.



VKB-NUMBER

element 3/S3 battery storage system (white*)	02709 852 301
Retrofit kit VARTA element 3/9	37000 720 005
element 6/S3 battery storage system (white*)	02709 852 302
Retrofit kit VARTA element S3-6/9	37000 720 006
Retrofit kit VARTA element S3-6/12	37000 720 007
element 9/S3 battery storage system (white*)	02709 852 303
element 12/S3 battery storage system (white*)	02709 852 304

► **Technical data and facts**

SYSTEM DATA	ELEMENT 3	ELEMENT 6	ELEMENT 9	ELEMENT 12
Nominal battery capacity	3.3 kWh	6.5 kWh	9.8 kWh	13.0 kWh
Usable storage capacity	2.9 kWh	5.9 kWh	8.8 kWh	11.7 kWh
System performance	1.6 kW	2.0 kW	3.0 kW	4.0 kW
Dimensions (w x h x d) in mm	600 x 1,176 x 500	600 x 1,176 x 500	600 x 1,176 x 500	600 x 1,176 x 500
Weight	105 kg	145 kg	185 kg	225 kg

GENERAL DATA

Electrochemistry of cell	Lithium-Ion
Depth of discharge	90 %
Energy management system	EMS VS-Pro
Cell monitoring	Fully integrated
Protection class	IP22
Mains connection	400 V AC, 3-phase, 50 Hz
Mains configurations	TN-systems, TT-systems
Ambient temperature	+5 °C to +30 °C
System warranty **	7 years maintenance warranty
Warranty on batteries	10 years or 4,000 cycles***
Scalable	Up to five VARTA element

FUNCTION

Energy management	Integrated, fully automated
Output recording	3 - phase via current sensor
Current sensor	Analog, 50 A per phase (incl. 20 m cabel)
Readout functions / service	Ethernet
Visualization	Internet web portal and internal web server
Data interface	XML, Modbus / TCP
Control/ concept/ monitoring	PC, Tablet, Smartphone
System extension (optional)	4 programmable switch contacts for load control, SolarLog, RWE SmartHome. LichtBlick (decentralized power generation)

STANDARDS

EMC Directive 2014/30/EU, Low Voltage Directive (LVD) 2014/35/EU, DIN EN 62109-1 : 2011 Safety of power converters for use in photovoltaic power systems, Security Guide

* Available in six fashionable colors.
 ** According to terms of manufacturer's warranties (available at: www.varta-storage.de/downloads).
 *** Residual capacity: 80%.