

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 S3-3/9	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 system capacity	3.3 kWh	6.5 kWh	9.8 kWh	13.0 kWh
Nominal 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	95 kg	115 kg	145 kg	165 kg
Electrochemistry	Lithium nickel manganese cobalt oxide			
Depth of discharge	90 %			
Energy management	EMS VS-Pro			
Safety	Multi-level, hard- and software redundant cell monitoring			
Mains connection	400 V AC, 3-phase, 50 Hz			
Mains configuration	TN-systems, TT-systems			
Country licences	Germany, Austria, Switzerland			
Protection class	IP 22			
Ambient conditions	+5 °C to +30 °C			
System warranty	7 years maintenance warranty **			
Warranty on batteries	10 years or 4,000 cycles ***			

FUNCTIONS

Private consumption optimisation	3-phase, phase symmetrical
Output recording	3-phase via current sensor
Cascading	Up to five similar VARTA element systems
Readout functions / service	Ethernet
Visualisation	VARTA Storage app for Android and iOS, web portal and internal web server
Smart home interfaces	XML, Modbus / TCP
Smart home compatibility	SolarLog, innogy SmartHome, Smartfox, myGEKKO, my-PV smart water heater, switching contacts for weight and producer regulation (Rutenbeck TCR IP 4)

STANDARDS

CE-conformity, Low Voltage Directive (LVD) 2014/35/EU, EMC Directive 2014/30/EU, UN 38.3, DIN EN 62109-1:2011, VDE-AR-N 4105:2011-08, TOR 2016 V.2.3 D4, NA-EEA-CH

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