

COMING SOON

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.

Waxman Energy
 Waxman Energy Ltd
 Grove Mills, Elland
 West Yorkshire, HX5 9DZ
 Great Britain



VKB-NUMBER

element 6/S3 battery storage system	02709 852 902
element 9/S3 battery storage system	02709 852 903
element 12/S3 battery storage system	02709 852 904
Retrofit Kit VARTA element S3-6/9	37000 720 006
Retrofit Kit VARTA element S3-6/12	37000 720 007

► **Technical data and facts**

SYSTEM DATA	ELEMENT 6	ELEMENT 9	ELEMENT 12
Battery capacity nominal	6.5 kWh	9.8 kWh	13.0 kWh
Max. AC power charge / discharge	2.2 / 1.8 kW	3.4 / 3.0 kW	4.0 / 3.7 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
Weight	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	UK		
Protection class	IP 22		
Ambient conditions	+5 °C to +30 °C		
System warranty	7 years maintenance warranty *		
Warranty on batteries	10 years or 10,000 cycles **		

FUNCTIONS

Private consumption optimisation	3-phase, phase symmetrical
Output recording	3-phase via current sensor
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, Engineering Recommendation G83/2 2012, G59/3-2 2015 and G59/3-3 2018

* According to terms of manufacturer's warranties (available at: www.varta-storage.com/service/downloads).

** Residual capacity: 80 %.