

FOR THE STEP INTO THE INDEPENDENCE.



VKB-NUMBER

VARTA pulse 3	02707 852 301
VARTA pulse 6	02707 852 302

► **Technical data and facts**

SYSTEM DATA	VARTA PULSE 3	VARTA PULSE 6
Battery capacity nominal / usable	3.3 / 3.0 kWh ¹	6.5 / 5.9 kWh ¹
Max. AC power charge / discharge	1.6 / 1.4 kW	2.5 / 2.3 kW
Weight	45 kg	65 kg
Dimensions (w x h x d) in mm	600 x 690 x 186	
Electrochemistry	NMC	
Safety	Multi-level, hard- and software redundant cell monitoring	
Mains connection / configuration	230 V AC, 1-phase, 50 Hz (TN- and TT-systems)	
Efficiency	90.5 % (RC1), 92.4 % (RC2) System Performance Index (VARTA pulse 6) ²	
Country licenses	Germany, Austria, Switzerland	
Protection class	IP 33	
Cooling	Temperature-dependent fan control	
Noise emission typical/max.	44 dBA / 52 dBA	
Ambient conditions	+5 °C to +30 °C	
System warranty	10 years (permanent internet connection), 5 years (without internet connection) ³	
Warranty on batteries	10 years or 4,000 cycles ⁴	

FUNCTIONS

Energy management system	EMS VS-Pro 2
Smart home interfaces	XML, Modbus TCP
Visualisation of production data	PV sensor, data logger
Dynamic PV export limitation	Via data logger
External relay control	Rutenbeck
Cascading	Up to five VARTA energy storage systems
Operating strategy	Private consumption optimisation, PV yield optimisation
Hardware interfaces	RJ45 (Ethernet), 2x RJ12 (current sensor and PV sensor)
Visualisation	VARTA Storage app for Android and iOS, web portal and internal web server

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 4105:2018-11, TOR Erzeuger Typ A V1.1, NA-EEA-CH

¹ Capacity measurement at 25 °C with 0,2 C charge to 58,8 V and 0,05 C cut-off current and discharge with 0,2 C to 42 V.

² Energy storage inspection 2020 HTW Berlin with VARTA pulse 6 in reference case 1 (RC1: typical family home with PV system) and reference case 2 (RC2: typical family home with PV system, heat pump and electric car).

³ According to terms of manufacturer's warranties (available at: www.varta-storage.com/service/downloads).

⁴ Residual capacity: 80 %.