

FOR THE SMART FUTURE.



VKB-NUMBER

VARTA pulse neo 3	02707 858 311
VARTA pulse neo 6	02707 858 312

► **Technical data and facts**

SYSTEM DATA	VARTA PULSE NEO 3	VARTA PULSE NEO 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)	
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) ²	
Warranty on batteries	10 years or 4,000 cycles ³	

FUNCTIONS

Energy management system	VS-XMS
Smart home interfaces	Modbus TCP
Visualisation of production data	PV sensor, data logger, SunSpec ⁴
Dynamic PV export limitation	SunSpec ⁴
Interaction charging station	Surplus charge, energy storage support ⁴
External relay control	Rutenbeck, Shelly, FRITZ!DECT
Cascading	Up to six VARTA energy storage systems without additional hardware
Operating strategy	Private consumption optimisation, PV yield optimisation with weather forecast
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 According to terms of manufacturer's warranties (available at: www.varta-storage.com/service/downloads).

³ Residual capacity: 80 %.

⁴ According to compatibility list (available at: www.varta-storage.com/pulse-neo-compatibility).