

# FOR THE SMART FUTURE.



**VKB-NUMBER**

VARTA pulse neo 6

02707 858 732

► **Technical data and facts**

**SYSTEM DATA**

**VARTA PULSE NEO 6**

Battery capacity nominal / usable	6.5 / 5.9 kWh <sup>1</sup>
Max. AC power charge / discharge	2.50 / 2.30 kW
Weight	65 kg
Dimensions (w x h x d) in mm	600.00 x 690.00 x 186.00
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	Belgium
Protection class	IP 33
Cooling	Temperature-dependent fan control
Noise emission typical/max.	44 dBA / 52 dBA
Ambient conditions	+5 °C to +45 °C
System warranty	10 years <sup>2</sup>
Warranty on batteries	10 years or 4,000 cycles <sup>3</sup>

**FUNCTIONS**

Energy management system	VS-XMS
Smart home interfaces	Modbus TCP
Visualisation of production data	PV sensor, data logger, SunSpec <sup>4</sup>
Dynamic PV export limitation	SunSpec <sup>4</sup>
Interaction charging station	Surplus charge, energy storage support <sup>4</sup>
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, grid-charge
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-Konformität, Niederspannungsrichtlinie 2014/35/EU, EMV Richtlinie 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, Synergrid C10/26

<sup>1</sup> 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.

<sup>2</sup> According to terms of manufacturer's warranties (available at: [www.varta-storage.com/service/downloads](http://www.varta-storage.com/service/downloads)).

<sup>3</sup> Residual capacity: 80 %.

<sup>4</sup> According to compatibility list (available at: [www.varta-storage.com/pulse-neo-compatibility](http://www.varta-storage.com/pulse-neo-compatibility)).