

Technical data sheet

VARTA pulse neo

VARTA Storage GmbH | DB177889DACHEN006



TYPE DESIGNATION	VKB NUMBER	BATTERY CAPACITY NOMINAL / USABLE	MAX. AC POWER CHARGE / DISCHARGE	WEIGHT
Type VARTA pulse neo 6	02707 858 312	6.5 / 5.9 kWh ¹	2.5 / 2.3 kW	65 kg

FUNCTIONS

Energy management system	VS-XMS
Smart home interfaces	Modbus TCP (Sunspec)
Visualisation of production data ²	PV-Sensor, Datenlogger, SunSpec ³
Dynamic PV export limitation	SunSpec ³
Interaction charging station	Surplus charge, energy storage support ³
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

SYSTEM DATA

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 ⁴
Warranty on batteries	10 years or 4,000 cycles ⁵
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 Limitation of visualization to 32 kW.

³ According to compatibility list (available at: www.varta-storage.com/pulse-neo-compatibility).

⁴ According to terms of manufacturer's warranties (available at: www.varta-storage.com/service/downloads).

⁵ Residual capacity: 80 %.