

VARTA.wall

BM1



High performance in compact space



Modular plug-in system with up to 20 kWh capacity



Ultra-slim: just 10 cm deep



Made in Germany



Perfect for indoor spaces with limited room

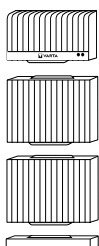


State-of-the-art cell technology in the VARTA double module

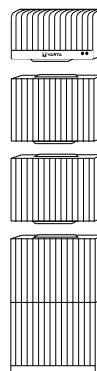


Simple installation without external cabling of the modules

FLEXIBLE, HIGH VOLTAGE-SYSTEM



Simple and modular installation of up to 4 battery modules per tower

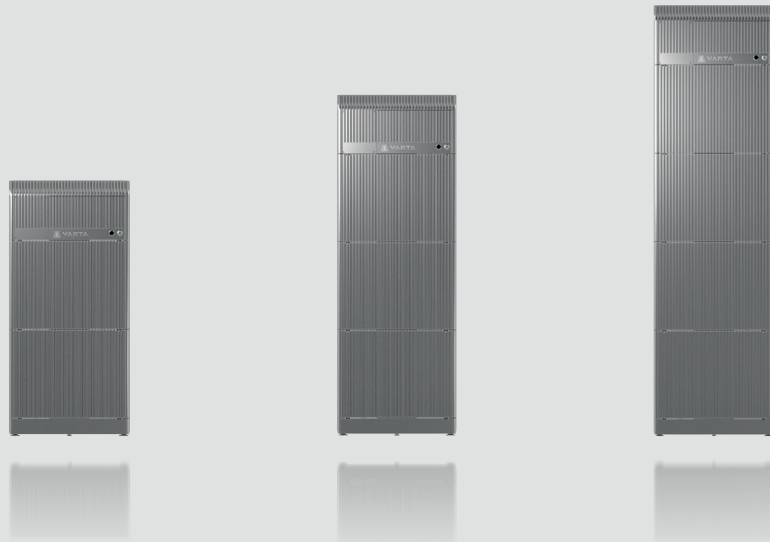


Can be retrofitted to provide up to 20 kWh of storage capacity¹

¹ Capacity expansion possible within 2 years of the system's initial commissioning

TECHNICAL DATA

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	2	3	4
Number of battery modules	2	3	4
Usable capacity	10 kWh	15 kWh	20 kWh
Max. charging/discharging current		22 A / 26 A	
Nominal charging/discharging power	4.4 kW / 5.2 kW ¹	6.7 kW / 7.9 kW ¹	8.9 kW / 10.5 kW ¹
Rated voltage	201.6 V	302.4 V	403.2 V
Operating voltage range	168.0 V - 226.8 V	252.0 V - 340.2 V	336.0 V - 453.6 V
Dimensions (WxHxD)	605 x 1,306 x 100 mm ²	605 x 1,752 x 100 mm ²	605 x 2,197 x 100 mm ²
Weight	88 kg	124 kg	161 kg
Cell chemistry	Lithium-ion (NCA)		
Cell type	Cylindrical cell (21700)		
Ambient temperature range (installation location)	-10 to +50 °C ³		
Operating temperature range	+2 to +42 °C ¹		
Temperature control	Passive cooling		
IP rating	IP 55		
Relative humidity	5 % to 85 % (non-condensing)		
Installation location	Indoor		
Installation type	Floor-standing with wall fixing Optional wall-mounted		
Interfaces	RS485, CAN, Ethernet, Wi-Fi		
Warranty	10 years ⁴		
Certifications	CE conformity UN 38.3 IEC 62619:2017 VDE-AR-E 2510-50:2017-05 IEC 61000-6-2 and -3		
Compatible inverters ⁵	Kostal (Plenticore BI G2, Plenticore plus G2, Plenticore G3, Plenticore MP G3) SMA (Sunny Tripower Smart Energy) Steca (SolBrid) ⁵		

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¹ Reaching the nominal charging power within the optimum operating temperature range +22°C to +33°C.

² Actual installation depth depends on the selected setting of the mounting brackets and is between 110 to 135 mm.

³ Recommended temperature range for the installation site is between +12°C and +42°C.

⁴ 10-year warranty upon completion of the online warranty registration in accordance with the relevant "Manufacturer's Warranty for VARTA Energy Storage Systems" (available at: www.varta-storage.com/service/downloads).

⁵ Details see compatibility list.

Technical changes and errors excepted. You can find the latest version of the data sheet here: <https://www.varta-ag.com/de/konsument/service/downloads-energiespeicher>