

## VARTA.wall

### Our new generation of DC high-voltage storage systems



Modular, pluggable system up to 20 kWh capacity



Made in Germany



State-of-the-art 21700 round cells in VARTA double module



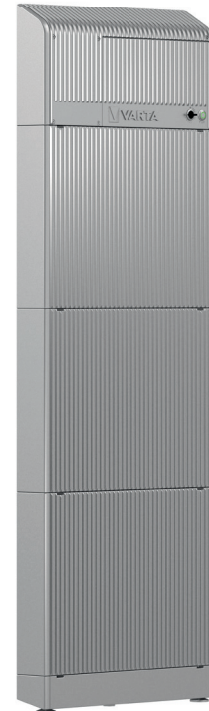
Ultra slim: only 10 cm depth



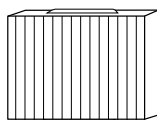
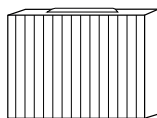
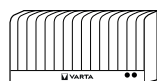
Compatible with leading inverter manufacturers



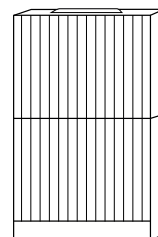
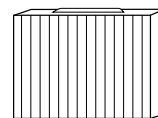
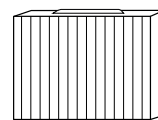
Easy installation without external wiring of the modules



#### Flexible high-voltage system



Easy and modular installation of up to 4 battery modules



Subsequently expandable for up to 20 kWh storage capacity <sup>1</sup>

<sup>1</sup> Capacity expansion possible within 2 years of initial commissioning of the system.

## TECHNICAL DATA



|  | 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 <sup>1</sup>  | 6.7 kW / 7.9 kW <sup>1</sup>      | 8.9 kW / 10.5 kW <sup>1</sup>     |
| 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   | 605 x 1,306 x 100 mm <sup>2</sup>   | 605 x 1,752 x 100 mm <sup>2</sup> | 605 x 2,197 x 100 mm <sup>2</sup> |
| Weight   | 88 kg   | 124 kg                            | 161 kg                            |
| Cell chemistry                                       | Lithium ion (NCA)   |                                   |                                   |
| Cell type  | Round cell (21700)  |                                   |                                   |
| Ambient temperature range<br>(Place of installation) | -10 to +50 °C <sup>3</sup>  |                                   |                                   |
| Operating temperature range                          | +2 to +42 °C <sup>1</sup>   |                                   |                                   |
| Temperature control                                  | Passive cooling   |                                   |                                   |
| IP protection class                                  | IP 55   |                                   |                                   |
| Relative humidity                                    | 5 % to 85 % (non-condensing)  |                                   |                                   |
| Setup site   | Indoor and garage   |                                   |                                   |
| Type of installation                                 | Upright with wall fixing  |                                   |                                   |
| Interfaces   | RS485, CAN, Ethernet, Wifi  |                                   |                                   |
| Warranty   | 10 years <sup>4</sup>   |                                   |                                   |
| Certifications                                       | CE conformity<br>UN 38.3<br>IEC 62619:2017<br>VDE-AR-E 2510-50:2017-05<br>IEC 61000-6-2 and -3    |                                   |                                   |
| Compatible inverters <sup>5</sup>                    | Kostal (Plenticore BI G2, Plenticore plus G2, Plenticore G3)<br>SMA (Sunny Tripower Smart Energy) |                                   |                                   |

[www.varta-ag.com](http://www.varta-ag.com)

<sup>1</sup>Reaching the nominal charging capacity within the optimum operating temperature range +22°C to +33°C.

<sup>2</sup>Actual installation depth depends on the selected setting of the mounting brackets and is between 110 and 135 mm.

<sup>3</sup>Recommended temperature range for the installation site between +12°C and +42°C.

<sup>4</sup>When taking out the online warranty, 5 years when taking out the offline warranty.

<sup>5</sup>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>