

# Facts and figures

## VARTA FLEX STORAGE E



### SYSTEM

Usable battery capacity	▶ From 75 kWh to 750 kWh
System output	▶ From 20 kW to 120 kW (360 kW*)
C-Rate charge   discharge	▶ Max. 0.5C   0.5C
Cooling system	▶ Active air cooling
Operating conditions	▶ From +10 °C to +30 °C
Protection class	▶ IP33
Current monitor	▶ 3 – phase current meter
Mains connection	▶ 400 V AC, 3-phase, 50 Hz
Warranty on system	▶ Dependent on application

### STORAGE UNIT E 75

Number of battery modules	▶ 13
Usable battery capacity	▶ 75 kWh
Electrochemistry of cell	▶ Lithium Nickel Manganese Cobalt Oxide
Nominal voltage	▶ 673,4 V
Number of cycles	▶ > 4,000 cycles**
Cell monitoring	▶ Fully integrated
Battery management system	▶ Fully integrated
Dimensions (D x H x W) in mm	▶ 600 x 2,000 x 600
Weight	▶ 520 kg

### POWER UNIT

Battery inverter	▶ SINAMICS
Power ranges	▶ 20   36   80   120 kW
Line filter	▶ Fully integrated
Grid protection	▶ Carried out separately
Dimensions 20   36 (D x H x W) in mm	▶ 600 x 2,000 x 600
Dimensions 80   120 (D x H x W) in mm	▶ 600 x 2,000 x 1.000
Weight***	▶ 250   270   370   430 kg

### ENERGY MANAGEMENT SYSTEM

Data interface	▶ Ethernet
Monitoring	▶ S7 Panel local
Application	▶ Self consumption optimisation, islanding, peak shaving

\* AC cascadable

\*\* at room temperature and 80% residual capacity

\*\*\* incl. Islanding transformer