HOME ENERGY STORAGE / GERMANY

# Home storage. Clearly planned.

Integrated systems and LFP batteries for a carefully specified home installation. Compare the battery, inverter relationship and connection details before choosing your configuration.

| 07 | 29 | 5.12–48 kWh |
|---|---|---|
| Product families | Listed configurations | NOMINAL ENERGY |



## Cooler winter location · garage or outbuilding

Germany has regional temperature differences; an unheated equipment room must be assessed separately from the occupied home.



## Basement utility room · dry and accessible

A dedicated Hauswirtschaftsraum can organise storage and service access; assess actual damp, ventilation and access rather than assuming every basement is suitable.



## Warmer summer region · indoor heat

Official climate indicators identify warmer summer areas including the Upper Rhine and Rhine-Neckar/Rhine-Main regions; the building can further change equipment-room conditions.

Installation illustrations featuring products from this collection. Scenes are composites, not photographs of completed customer projects. Visible layouts are illustrative; final connections, protection and clearances follow the selected model's installation manual and site design.



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Low-voltage battery

# TR Pro.

LFP battery storage in a wall-mounted format, with three specified models and an IP66 enclosure. Pair with a compatible external inverter.

## 10.24 / 16.076 kWh

ENCLOSURE

IP66

Temperature:

Charge 0 to 55 °C; discharge −20 to 60 °C

INVERTER

Compatible external inverter required

BATTERY VOLTAGE

51.2 V nominal DC

| Model / configuration | Energy (kWh) | Rated DC (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| TR6000WX-Pro | 10.24 | 10 | 802 × 620 × 179 / H × L × D | 95 |
| TR8500WX-Pro | 16.076 | 10 | 822 × 500 × 250 / H × L × D | 115.5 |
| TR8500WX-ProU | 16.076 | 10 | 872 × 500 × 250 / H × L × D | 120 |

**Communication:** RS485 / RS232 / CAN; Wi-Fi / Bluetooth

Self-heating is optional. Power ratings are battery-side DC; actual AC output depends on the selected inverter.

Product image shows an ELVORKA brand application; final production markings may vary.




Integrated system

# EU 230 V.

An integrated inverter and 51.2 V LFP battery system. Three listed power-and-capacity configurations, with rated AC output of 6.2 or 12 kW.

## 10.24 / 16.076 kWh

ENCLOSURE

IP21

Temperature:

Charge 0 to 55 °C; discharge −20 to 55 °C

INVERTER

Included

AC CONFIGURATION

230 V AC / 50 or 60 Hz

| Model / configuration | Energy (kWh) | Rated AC (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| 6.2K-10/16KWH-EU | 10.24 | 6.2 | 552 × 254 × 1210 / L × W × H | 105 |
| 6.2K-10/16KWH-EU | 16.076 | 6.2 | 552 × 254 × 1210 / L × W × H | 130 |
| 12K-16KWH-EU | 16.076 | 12 | 552 × 254 × 1210 / L × W × H | 130 |

**Communication:** USB / RS485 / dry contact

6.2 kW AC configurations: 1 MPPT and max. PV 6.5 kW. 12 kW AC: 2 MPPT and max. PV 2 × 9 kW. Wi-Fi, parallel operation and CT options require confirmation.

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High-voltage battery

# HP Ultra.

A modular aluminium-alloy LFP battery stack. Six specified configurations from 8 to 48 kWh, for integration with a compatible external inverter.

## 8–48 kWh

ENCLOSURE

IP66 / aluminium alloy

Temperature:

Confirm selected configuration

INVERTER

Compatible external inverter required

BATTERY VOLTAGE

Confirm selected configuration

| Model / configuration | Energy (kWh) | Max. DC (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| HP Ultra-8.0 | 8 | 4 | 950 × 315 × 575 / W × D × H | 75 |
| HP Ultra-16.0 | 16 | 8 | 950 × 315 × 880 / W × D × H | 130 |
| HP Ultra-24.0 | 24 | 12 | 950 × 315 × 1185 / W × D × H | 185 |
| HP Ultra-32.0 | 32 | 16 | 950 × 315 × 1490 / W × D × H | 240 |
| HP Ultra-40.0 | 40 | 20 | 950 × 315 × 1795 / W × D × H | 295 |
| HP Ultra-48.0 | 48 | 24 | 950 × 315 × 2100 / W × D × H | 350 |

**Communication:** CAN / RS485 / Wi-Fi / Bluetooth

System voltage and inverter compatibility must be confirmed for the chosen capacity. Floor-standing or wall-mounted installation is listed. Module additions require system review.

Product image shows an ELVORKA brand application; final production markings may vary.



Integrated system

# TA6000.

Battery and inverter in one cabinet, with PV input connectivity and three specified storage configurations. AC output options depend on the selected configuration.

## 10.24–20.48 kWh

ENCLOSURE
Not specified

Temperature:
Operating −20 to 60 °C

INVERTER
Included

AC CONFIGURATION
120 V US / 230 V EU AC options

| Model / configuration | Energy (kWh) | AC options (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| TA6000-M2 | 10.24 | 6–10 | 590 × 570 × 1880 / W × D × H | 244 |
| TA6000-M3 | 15.36 | 6–12 | 590 × 570 × 1880 / W × D × H | 286 |
| TA6000-M4 | 20.48 | 6–12 | 590 × 570 × 1880 / W × D × H | 328 |

**Communication:** RS485 / RS232 / CAN / Wi-Fi; Bluetooth optional

Specify the correct market AC voltage and 50 / 60 Hz option. PV input: 11 kW for M2; 11–13.2 kW for M3/M4. No three-phase or split-phase capability is claimed.

Product image shows an ELVORKA brand application; final production markings may vary.




Low-voltage battery

# TR standard.

Five specified capacities in a wall-mounted LFP battery format. Select the capacity, enclosure and a compatible external inverter for the installation.

## 5.12–20.07 kWh

ENCLOSURE

IP20; IP54 optional

INVERTER

Compatible external inverter required

Temperature:

Charge 0 to 55 °C

BATTERY VOLTAGE

51.2 V nominal DC

| Model / configuration | Energy (kWh) | Nominal DC (V) | Dimensions (mm) | kg |
|---|---|---|---|---|
| TR4000WX | 5.12 | 51.2 | 400 × 750 × 160 / W × H × D | 53.5 |
| TR6000WX | 10.24 | 51.2 | 600 × 750 × 160 / W × H × D | 95 |
| TR8000WX | 14.336 | 51.2 | 480 × 822 × 245 / W × H × D | 110 |
| TR8500WX | 16.076 | 51.2 | 480 × 822 × 245 / W × H × D | 115 |
| TR10000WX | 20.07 | 51.2 | 500 × 922 × 265 / W × H × D | 145 |

**Communication:** RS485 / RS232 / CAN; Wi-Fi / Bluetooth

Self-heating is optional. Confirm the charge/discharge current, output power and enclosure option for the exact model and inverter.

Product image shows an ELVORKA brand application; final production markings may vary.




High-voltage battery

# HP K.

Four to eight LFP battery modules in five specified stacked configurations. Match the selected voltage and communication settings to a compatible external inverter.

## 20.48–40.96 kWh

ENCLOSURE

IP20; IP54 optional

Temperature:

Charge 0 to 55 °C; discharge −20 to 60 °C

INVERTER

Compatible external inverter required

BATTERY VOLTAGE

204.8–409.6 V nominal DC

| Model / configuration | Energy (kWh) | Rated DC (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| HP2000K | 20.48 | 20 | 580 × 390 × 918 / L × W × H | 213 |
| HP2500K | 25.6 | 25 | 580 × 390 × 1089 / L × W × H | 259.5 |
| HP3000K | 30.72 | 30 | 580 × 390 × 1260 / L × W × H | 306 |
| HP3500K | 35.84 | 35 | 580 × 390 × 1431 / L × W × H | 352.5 |
| HP4000K | 40.96 | 40 | 580 × 390 × 1602 / L × W × H | 399 |

**Communication:** RS485 / CAN; Wi-Fi / Bluetooth optional

Battery-side DC ratings are not inverter AC output ratings. Confirm the inverter DC voltage window for the chosen module count.

Product image shows an ELVORKA brand application; final production markings may vary.




Low-voltage battery

# TB rack.

Four specified LFP battery capacities for rack-mounted storage and a compatible external inverter.

## 5.12–16.076 kWh

ENCLOSURE

IP20

Temperature:

Charge 0 to 55 °C; discharge −20 to 60 °C

INVERTER

Compatible external inverter required

BATTERY VOLTAGE

51.2 V nominal DC

| Model / configuration | Energy (kWh) | Rated DC (kW) | Dimensions (mm) | kg |
|---|---|---|---|---|
| TB4000X | 5.12 | 5 | 482 × 178 × 420 / W × H × D | 42 |
| TB6000X | 10.24 | 10 | 482 × 223 × 550 / W × H × D | 78 |
| TB8000X | 14.336 | 10 | 482 × 223 × 710 / W × H × D | 109.5 |
| TB8500X | 16.076 | 10 | 482 × 223 × 710 / W × H × D | 112 |

**Communication:** RS485 / CAN / RS232

Wi-Fi / Bluetooth is listed for TB6000X, TB8000X and TB8500X, excluding TB4000X. Power ratings are battery-side DC.

Product image shows an ELVORKA brand application; final production markings may vary.