HOME BATTERY STORAGE / UNITED STATES

Backup power. Built around your home.

Start with the circuits you want to support, then match battery capacity and inverter output. Explore integrated storage and battery-only options for a project-specific installation.

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



Dry utility room with selected backup circuits

Bring refrigeration, communications and selected lighting into one essential-load plan, rather than assuming every circuit will be backed up.



Garage with seasonal heat or cold

The garage's indoor conditions matter more than the outdoor forecast. Keep the cabinet in its designated equipment space with cooling paths and service access.



Existing inverter or modular storage project

A battery-only option lets the storage choice follow the existing or planned inverter, provided the electrical and communication interfaces match.

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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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 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.

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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.

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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

INVERTER

Compatible external inverter required

Temperature:

Confirm selected configuration

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.



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.

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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.