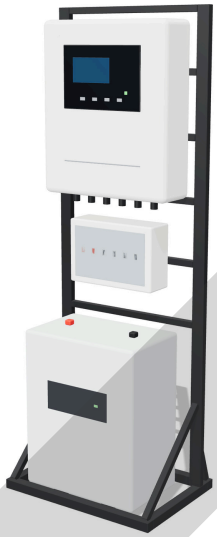
MinerTech Inverter and battery stand

ST-15

Floor-standing “ladder” rack with a base frame: the inverter and breakers mount on the crossbars, the battery stands on the frame. The wall stays intact.



Main specifications

Dimensions (H × W × D)	**1500 × 540 × 380 mm**
Design	**vertical “ladder” frame + base frame with slats, side braces**
Material	**steel box section, welded structure**
Mounting crossbars	**6 pcs, pitch ≈ 190 mm, upper zone 550–1500 mm**
Battery zone	**base frame 540 × 380 mm in front of the ladder frame**
Installation	**free-standing, not fixed to the wall**
Finish	**powder coating, oven-cured; standard: black RAL 9005 or white RAL 9016, other RAL on request**
Frame warranty	**2 years**

What for: the most versatile model: one inverter + breakers + one floor battery. Ideal for a flat.

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Why a stand, not a wall

Rented flat
not a single hole in the wall: the landlord has nothing to complain about, and when you move you take the whole station with the stand.

Fresh quality renovation
tiles, decorative plaster, wallpaper and painted walls stay intact; no need to look for hidden wiring before drilling.

Weak walls
plasterboard, aerated concrete and thin partitions hold the 6–15 kg of an inverter with a vibrating fan poorly; here the steel frame and floor take the weight.

Fire safety
a non-combustible steel frame instead of a wooden cabinet or shelf; the battery sits at the bottom, the centre of gravity is low.

Cooling and service
open design: air flows from all sides, terminals, breakers and the screen are accessible without dismantling.

Neatness
cables are tied to the frame tubes, and the station looks like one technical module rather than a set of boxes on the floor.

What fits

- inverters up to 11 kW, up to 540 mm wide (EASUN, POWLAND, POWGROW, JSDsolar, GSIKE, Aninerel, ANENJI, ECGSOLAX, DATOU BOSS)
- one floor battery up to ≈ 460 mm wide and ≈ 290 mm deep: DATOU BOSS 25.6V 314Ah 8.03kWh (355 × 260 × 565 mm), Cyccle Volt 25.6V 100Ah, ECONOMI POWER 25.6V 100Ah, PWOD 12.8V 320Ah, Humsienk Plus 12.8V 160Ah
- any 12.8V 100Ah (cases 260–330 mm)

Not suitable: “long” cases 500–540 mm (EASUN POWER, GSIKE, EKPAOWE, Nexcell 25.6V, 12.8V 300Ah): use the ST-2B stand; 51.2V rack batteries: RK-3 / RK-5 / RK-8; large floor batteries 16–32 kWh.

Compatibility is checked against the dimensions of inverters and batteries in our catalogue. If you have other equipment, send us its dimensions: we will pick a stand or make one to fit.

Expert opinion

Our basic recommendation for a flat: 0.2 m² holds the whole station with an inverter up to 6.5 kW, a breaker panel and one floor battery. For kits with a “long” 25.6V battery 500–540 mm or two batteries take ST-2B; for 51.2V rack modules, RK-3.

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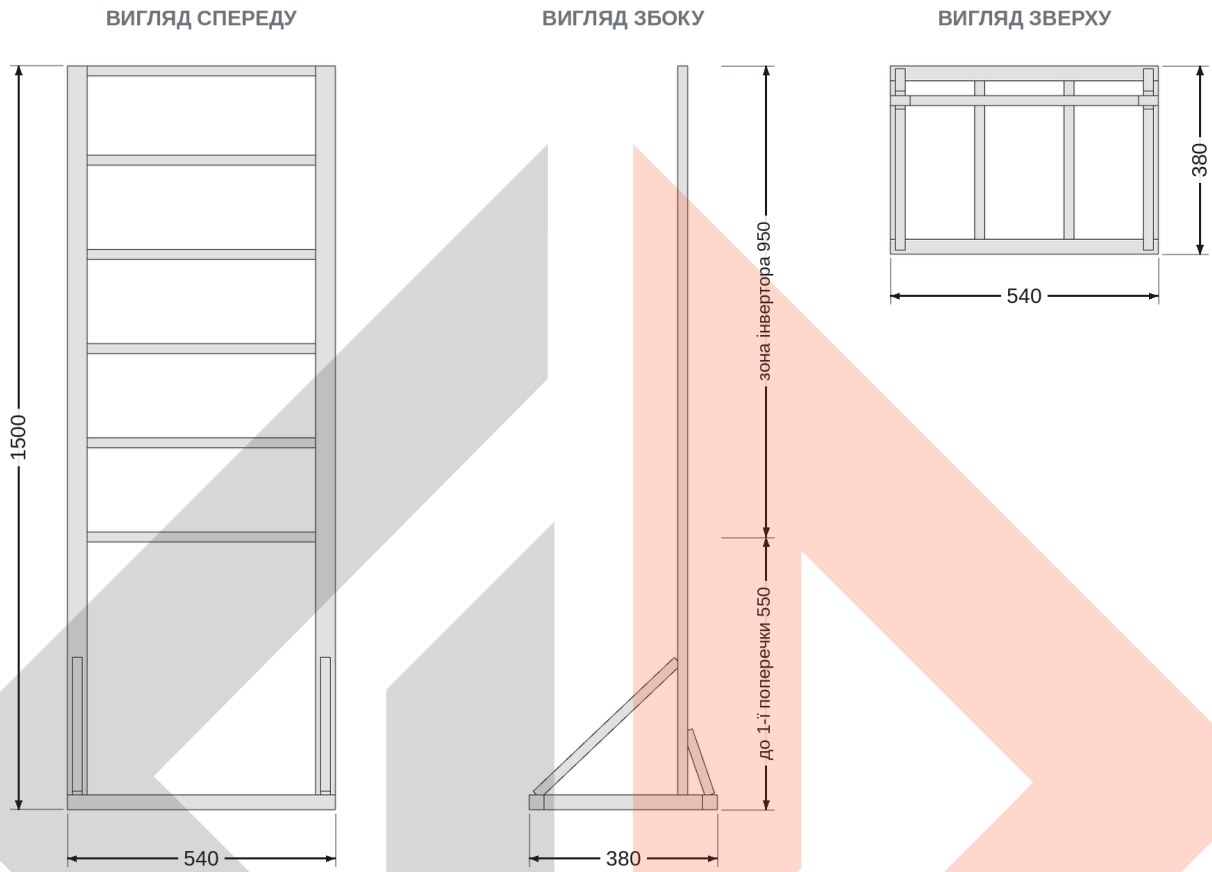
Drawing

MinerTech Стійка ST-15 · креслення — розміри в мм



Габарити (В × Ш × Г)	**1500 × 540 × 380 мм**
Конструкція	**вертикальна рама-«драбина» + опорна рама з ламелями, бокові підкоси**
Матеріал	**сталева профільна труба, зварна конструкція**
Монтажні поперечки	**6 шт, крок ≈ 190 мм, верхня зона 550–1500 мм**
Зона під АКБ	**опорна рама 540 × 380 мм перед рамою-драбиною**

Нестандартні розміри — під ваше обладнання

External dimensions in millimetres. Manufacturing tolerance ±5 mm. Non-standard sizes to fit your equipment.

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Fitting, safety

- Place the stand on a level, solid floor. On tiles or laminate, put rubber or felt pads under the feet.

- The heaviest item, the battery, always goes at the bottom. The inverter is fixed to the crossbars through its own mounting plate with M6 bolts or self-tapping metal screws.
- Leave ≈ 200 mm free above and below the inverter and ≈ 100 mm at the sides: most hybrid inverter manuals require this for cooling.
- Keep the battery–inverter power cables as short as possible (up to 1.5–2 m) and fit a DC breaker or fuse near the battery.
- Connect the frame to earth (PE conductor from 6 mm²): then the stand is earthed just like the inverter housing.
- Do not place the station near heating radiators, in direct sunlight or in a closed cabinet without ventilation.

Build and colour

The frame is welded from steel box section; welds are cleaned, and the structure is powder coated and oven cured. The coating is dense and resistant to moisture, scratches and UV. Standard colours are black RAL 9005 and white RAL 9016; any other RAL colour and non-standard sizes for your equipment are made to order. Frame warranty: 2 years.

RAL 9005 RAL 9016 RAL 7016 RAL 7035 RAL 9006 RAL 8017 RAL 5010

Colours on screen and in print are approximate.

Supplied

Welded stand frame, powder coated. The inverter, batteries, switchgear and cables in the images are shown as examples and are not included.





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