MinerTech Battery stand

MB-16

A rack on four swivel castors with brakes: the whole power station can be rolled away for cleaning or servicing and locked in place.



Main specifications

Dimensions (H × W)	**1600 × 550 mm, base depth ≈ 600 mm**
Design	**“ladder” frame on a base frame with braces**
Castors	**4 swivel castors, brake locks**
Mounting crossbars	**4 pcs + top bar**
Material	**steel box section, welded structure**
Finish	**powder coating; standard: black RAL 9005 or white RAL 9016, other RAL on request**
Frame warranty	**2 years**

What for: when the station has to be moved: cleaning, repairs, seasonal moves, washing the floor under the equipment.

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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 550 mm wide
- one battery up to ≈ 460 mm wide and up to ≈ 320 mm deep: DATOU BOSS 25.6V 8.03kWh, Cyccle Volt / ECONOMI POWER 25.6V 100Ah, PWOD 12.8V 320Ah, Humsienk Plus 160Ah, any 12.8V 100Ah

Not suitable: “long” cases 500–540 mm (EASUN POWER, GSIKE, EKPAOWE, Nexcell 25.6V, 12.8V 300Ah): use ST-2B; 51.2V rack batteries and large floor batteries 16–32 kWh (too heavy for a mobile base).

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

Castors make sense when the floor under the station needs washing, when the station stands in a hallway or kitchen and gets moved aside, or when you move house. Remember that with the battery the rack weighs 30–70 kg: roll it on a level floor with the cables disconnected.

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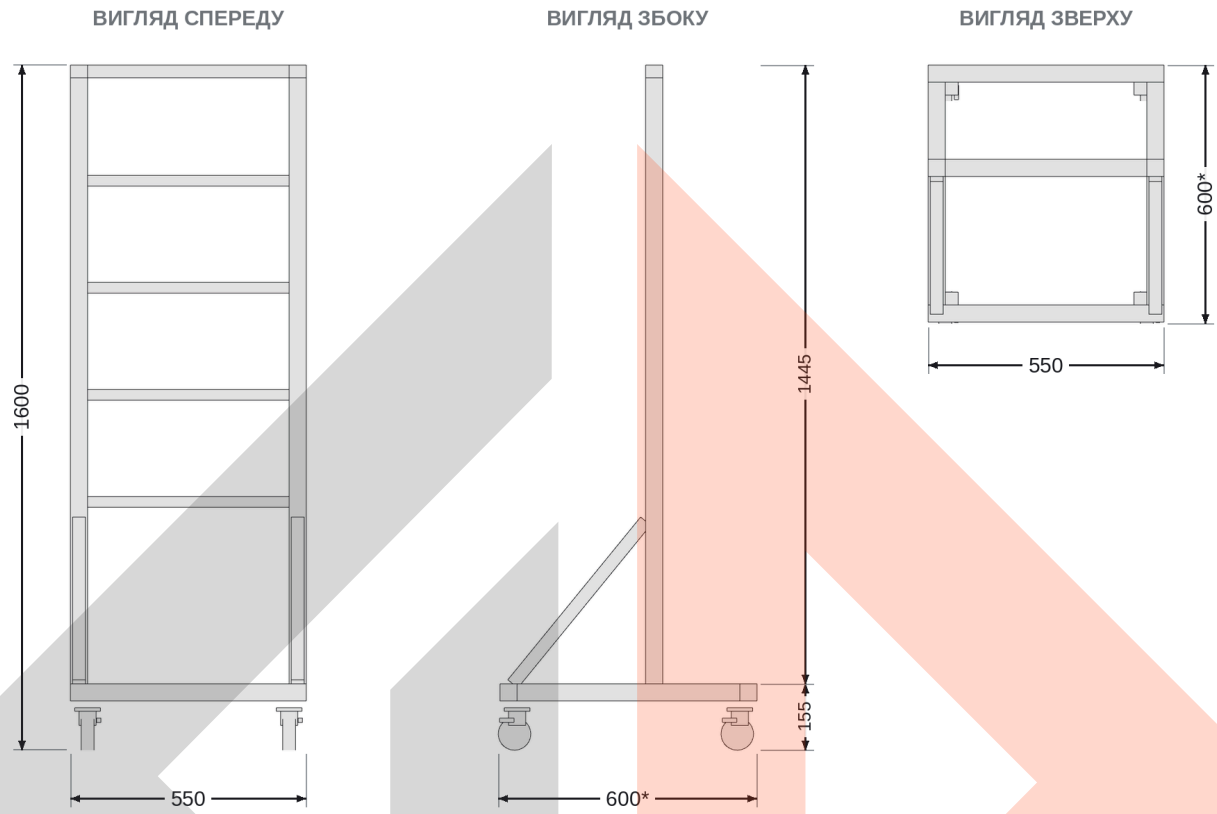
Drawing

MinerTech Стелаж МВ-16 · креслення — розміри в мм



Габарити (В × Ш)	**1600 × 550 мм, глибина основи ≈ 600 мм**
Конструкція	**рама-«драбина» на рамі основи з підкосами**
Колеса	**4 поворотні колеса, фіксатори-гальма**
Монтажні поперечки	**4 шт + верхня перекладина**
Матеріал	**сталева профільна труба, зварна конструкція**

* глибина основи орієнтовна, уточнюється під ваше обладнання

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.
- After moving, lock all castors with the brakes. Roll the rack with the cables disconnected or with enough slack.

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, castors with brakes. The inverter, batteries, switchgear and cables in the images are shown as examples and are not included.



