MinerTech Battery stand

RK-5

Rack cabinet for five 51.2V rack-mount modules: up to 25.6 kWh in one structure, load up to 300 kg.



Main specifications

Dimensions (H × W × D)	**1600 × 560 × 810 mm**
Capacity	**5 modules on paired rails**
Module pitch	**≈ 280 mm**
Design load	**up to 300 kg**
Width between posts	**480 mm, 19″ ears (482 mm) fix to the front posts**
Options	**other number of shelves, castors**
Finish	**powder coating; standard: light grey, black RAL 9005 or white RAL 9016**
Frame warranty	**2 years**

What for: 48V stations of 15–25 kWh and parallel/three-phase systems.

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Why a battery rack

Order in the battery bank
each module sits on its own rails, not stacked on top of each other: housings are not crushed, and any module can be removed on its own.

Cooling
an air gap remains between modules, heat from the BMS and cells escapes freely, and the batteries last longer.

Service
front access to switches, RS485/CAN ports and power busbars; cables can run along the rear posts.

Safety
a steel frame on a level floor instead of wooden shelves; heavy modules at the bottom, low centre of gravity.

Scalability
buy one or two modules now and add more to the same rack when you need more capacity.

What fits

- 5 modules 51.2V 100Ah 5.12kWh (43–44 kg each, ≈ 220 kg in total): 25.6 kWh
- DATOU BOSS modules 561 × 483 × 133 mm, Humsienk 440 × 500 × 133 mm

Not suitable: the inverter is not mounted on this rack: use a separate ST-15 stand next to it.

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

For 15–25 kWh systems and for parallel or three-phase assemblies. The inverters are then best hung alongside on an ST-15 stand, so their heat does not warm the batteries.

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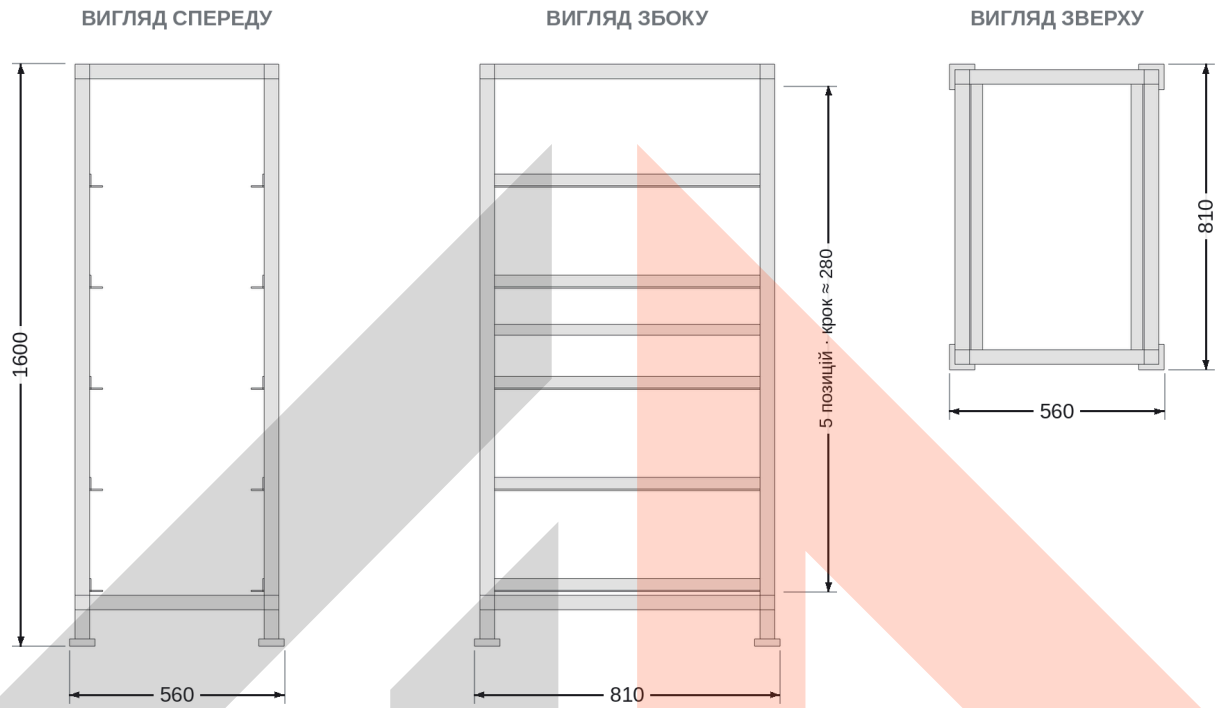
Drawing

MinerTech Стелаж RK-5 · креслення — розміри в мм



Габарити (В × Ш × Г)	**1600 × 560 × 810 мм**
Місткість	**5 модулів на парних напрямних**
Крок модулів	**≈ 280 мм**
Розрахункове навантаження	**до 300 кг**
Ширина між стійками	**480 мм, вуха 19″ (482 мм) кріпляться до фронтальних стійок**

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

- Fill the rack from the bottom up; fix the front ears of the modules with M6 screws.
- Take the jumpers between modules and the communication cable (RS485/CAN) from the battery kit; power cables to the inverter through a separate DC breaker.
- With a load over 200 kg, place the rack on a concrete or tiled floor, not on a wooden joist floor.
- Connect the frame to earth (PE conductor from 6 mm²).

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.



