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QUICK SETUP GUIDE

RBMS, RBMS MAX, SBMS, RHP51100A
Energy Storage System

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BEFORE CONNECTING:

- After opening the packaging, check the product and the checklist. If you notice any damage to the product or missing components, contact the seller or distributor.
- Before installation, disconnect the external battery power supply and ensure that the battery is turned off.
- The wires must be connected properly. Make sure the connection is secure and that no exposed wires are visible.
- The ends fitted with ring terminals must be secured with heat shrink tubing after crimping, and then protected with the rubber cover included with the RBMS control unit.
- The battery must not be connected directly to the mains power supply.
- When connecting the battery to the system, ensure that the system is properly grounded.
- Ensure that the electrical parameters of the battery system are compatible with the connected devices.

UNDER NO CIRCUMSTANCES SHOULD YOU TOUCH EXPOSED POWER WIRES WHILE THE UNIT IS OPERATING BEFORE CONNECTING:

WARNINGS:

- This product is intended for use in high-voltage energy storage systems within buildings. Do not use it in other locations.
- The use of any cleaning agents to clean the battery is strictly prohibited.
- The battery must not be exposed to flammable or irritating chemicals or vapors.
- The battery installation environment should be kept away from fire and water.
- Painting any part of the battery, including any internal or external components, is strictly prohibited.
- Direct connection of the battery to photovoltaic panels is strictly prohibited.
- Direct connection of the battery to an AC power source is strictly prohibited.
- Switching the circuit breaker on an inactive product is strictly prohibited.

This prevents unnecessary battery power consumption.

- Expanding an already operating system with additional modules is strictly prohibited.
- If the battery is not used for an extended period, it should be charged every 6 months, with each charge reaching a State of Charge (SOC) of no less than 90%.
- The battery must be charged within 12 hours after the discharge protection has been activated.
- Before performing battery maintenance, all terminals must be disconnected.

Quick Guide for Connection and Configuration:

The connection and configuration of the equipment may only be carried out by a person who is properly trained and holds the appropriate authorizations and certifications.

Step 1: Assemble the entire system using an Open Rack column assembly kit or place all components in a suitable rack cabinet.

Step 2: Prepare cables with a nominal cross-section of 25 mm².

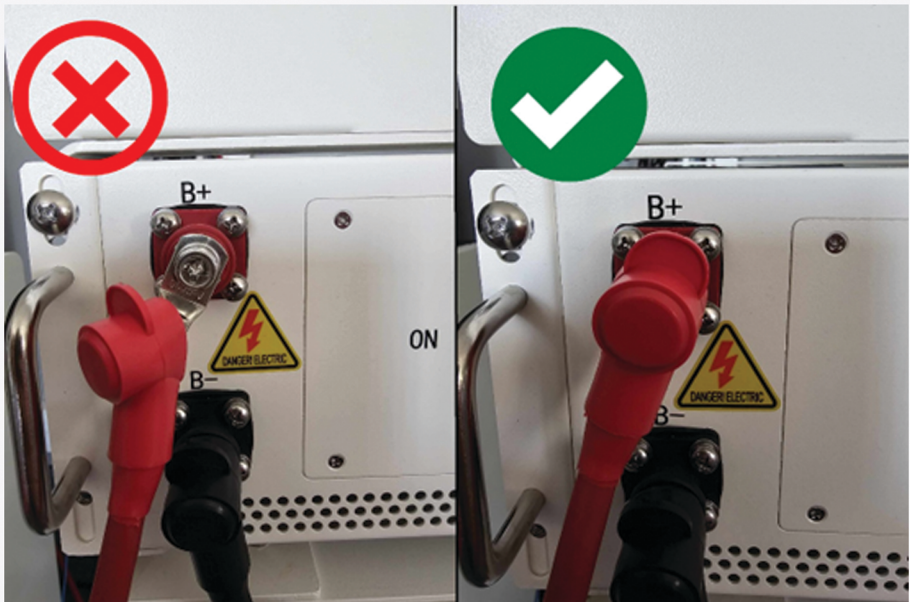
Step 3: Prepare the cables connecting the storage units, then connect them in series. Also connect the communication cables according to the markings on the cables.



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Step 4: Next, prepare the cables to connect the RBMS control unit with the RHFP energy storage units. Remember to secure the crimped ring terminal with heat shrink tubing, and then protect the connection with the rubber cover included in the set. No part of the cable should be exposed. Then connect the storage units to the control unit, ensuring proper connections.





Step 5: Next, connect the cables between the inverter and the storage units, ensuring they are properly secured as described in step four. If the communication cable is too short, it can be extended using a standard Ethernet cable with the connector included in the set.

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Step 6: Make sure all cables are properly connected. Check the polarity of the wires.

Step 7: Connect the HMI screen communication cable to the BMS control unit.

Step 8: Power on the entire system by switching the fuse from OFF to ON.



Step 9: Next, press the start button. It will light up red, and the system indicator LED will turn on.



Step 10: After a moment, the main screen will be displayed on the HMI screen.



Step 11: Go to the settings tab, then log in as user8 by entering the password “8888”.



Step 12: In the main parameters tab, set the value of the "Number of packs" field to match the actual configuration of the device. For a setup with 4xBAT + BMS, this value should be 4.



Step 13: Exit the settings tab. After a moment, the system will begin operation. Do not make any other changes on your own without consulting the technical support team at Heckman Sp. z o.o. If anything is unclear, contact the service department.

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ul. Kolumba 43/47, 02-288 Warszawa

NIP: 9522156846 | KRS: 0000658690 | REGON: 366361579

+48 22 100 59 60 | kontakt@heckman.pl