3-phase Hybrids-FAQ

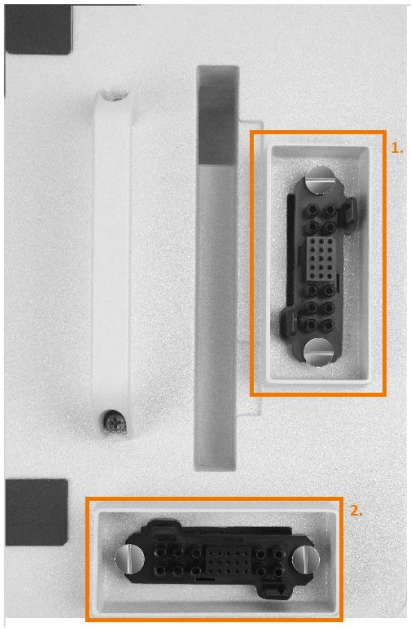
How to measure voltages in SBR-battery system

Applicable to: SBR HV Batteries

This guide describes, how to measure DC-voltages in SBR-battery systems to ensure correct installation and support trouble shooting. The nominal voltage of one battery is approx. 64V DC.

On the battery-base are two connection/measurement points.

1. Connection point for the switch gear.
2. Connection point for battery module.



On the battery module, are two connection/measurement points.

1. Upper connection terminal. (On top of the battery module)
2. Lower connection terminal. (At bottom of the battery module)

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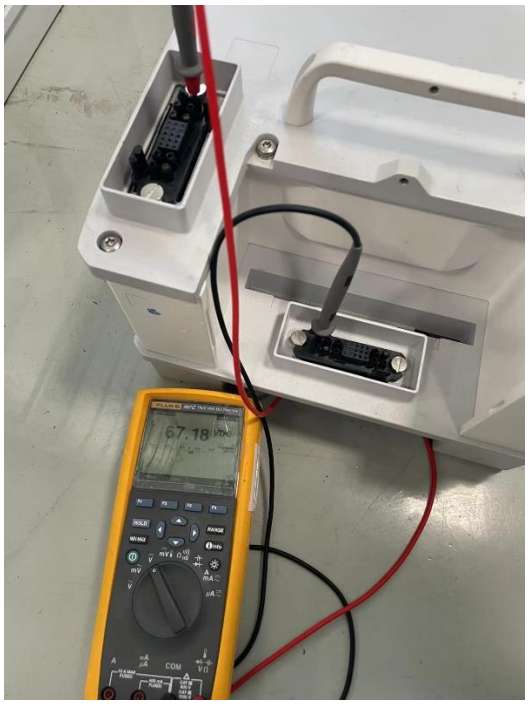
To check the voltage of a single battery module, measure the voltage between plus (top terminal) and minus (bottom terminal), as shown on the pictures below.

To check the voltage of the battery-base with battery module connected, please measure the voltage as shown on the picture below. If there is more than one module connected, the voltage is higher according to the ammount of the connected battery modules.



Before stacking up new battery modules, make sure, there is max. 5V difference between the modules.

For further information, please download the user manual here.

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.
The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.