

Battery charge/discharge currents and voltages

Disclaimer

The material in this document has been prepared by Sungrow Australia Group Pty. Ltd. ABN 76 168 258 679 and is intended as a guideline to assist solar installers for troubleshooting. It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment.

Voltages:

The battery modules are a series connection. The more modules on a stack, the higher the voltage.

Please refer to the data sheets for the voltages.

Parallel connection:

When connecting batteries in parallel, it will only increase the capacity. Voltage and current remain the same.

Currents:

Equipment	Max Charge/Discharge Current (Battery)
SBR battery	30A
Up to 4 stacks of SBR battery*	30A (controlled by BMS)
SBH battery	50A
Up to 4 stacks of SBH battery*	50A (Controlled by BMS)
SH5.0RS, SH6.0RS	30A
SH8.0RS, SH10RS	50A
SH5T, SH10T, SH15T, SH20T, SH25T	50A

*When more than one stack is parallel, the DC cables length from battery to inverter must be equal.

*Parallel stacks must be identical, and must have the most recent firmware.

*For parallel x 2, use 'Y' connectors. For parallel 3 or 4, use combiner box.