Victron & Aquion AHI

Note: this is a draft!

Compatible Victron products

All 48V Multis and Quattros. Also all MPPT Solar chargers that can work with a 48V battery.

Note that there is no integration in the Color Control GX required nor available: it will not (yet) read data directly from the Aquion AHI BMS.

Configuration

Parameter	Setting
Charge curve	Fixed
Absorption voltage	57.6 V
Float voltage	54.0 V
Storage	Enabled (1)
Charge current	17A per stack, refer to Aquion documentation
Repeated absorption time	1 hr
Repeated absorption interval	Not required
Max absorption time	1 hrs
Low voltage disconnect	As low as possible, 37.2 V (2)

(1) The storage setting will make the charger lower the voltage to 52.8 V, after first staying in float for 24 hours. (2) Under normal conditions, all the energy should be discharged when you reach 40V. However, during short high current discharges, the battery voltage can momentarily drop below 40V. Therefore set the low voltage disconnect as low as possible.

DISQUS

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