Victron & Aquion AHI

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 for S30	Setting for Aspen 48S-2.2
Charge curve	Fixed	Fixed
Absorption voltage	57.6 V	59.5 V
Float voltage	54.0 V	55.0 V
Storage	Disable	Disable
Charge current	17A per stack, refer to Aquion documentation	20A per stack, refer to Aquion documentation
Repeated absorption time	4 hrs	4 hrs
Repeated absorption interval	Not required	Not required
Max absorption time	4 hrs	4 hrs
Low voltage disconnect	As low as possible, 37.2 V (1)	As low as possible, 37.2 V (1)

Notes:

1. 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.

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Make sure to lower the Dynamic Cut-off parameters, to 37.5, 37.4, 37.3 and 37.2.

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Last update: **2016-12-16 05:44**