

Table 1 lists the control, alarm, and isolation functions in the system. Actual numerical set point values are specific to Sir Lance Alot or they are hard set by Victron as noted.

#	Source	Event	BMS	Result	Set Point	Notes
1	BTVs	Low cell voltage pre alarm	Alarm relay closes	Buzzer activated	3.1v for any cell	User adjustable set point
2	BTVs	Low cell voltage set point	Allow to discharge relay opens	All loads isolated	2.8v for any cell	User adjustable set point
3	BTVs	Low battery temperature	Allow to charge relay opens	All chargers isolated	5 Celsius	User adjustable set point
4	BTVs	High battery temperature	Allow to charge relay opens	All chargers isolated	75 Celsius	Hard set value
5	Battery monitor	Low SOC warning	Alarm relay closes	Buzzer activated	15% SOC	User adjustable set point
6	Battery monitor	Low SOC discharge floor	1. Allow to discharge relay opens 2. LBMS Contactor opens after 2 hours	1. All loads isolated 2. Batteries isolated after 2 hours	10% SOC	User adjustable set point
7	BTV	Dynamic max voltage & current charge commands	Transfers commands to Cerbo	Cerbo transfers commands to MultiPlus & MPPT	Dynamic set-points for max voltage & current	MultiPlus & MPPT internal charge algorithms disabled
8	BTV	Cell Balance Alarm				Notifications on Touch 50, VRM, Victron Connect

Acronyms

BTV Balance, Temperature, and Voltage

SOC Battery State Of Charge

LBMS Lynx Smart Battery Management System

BMS Battery Management System (a component of the Lynx Smart Battery Management System)