

APPLICATION NOTE

BVM – TORCEL parallel connections

This document gives additional information about the battery voltage monitoring system BVM and how those units are connected in parallel battery strings.

Max voltage for 1 BVM loop is 300V

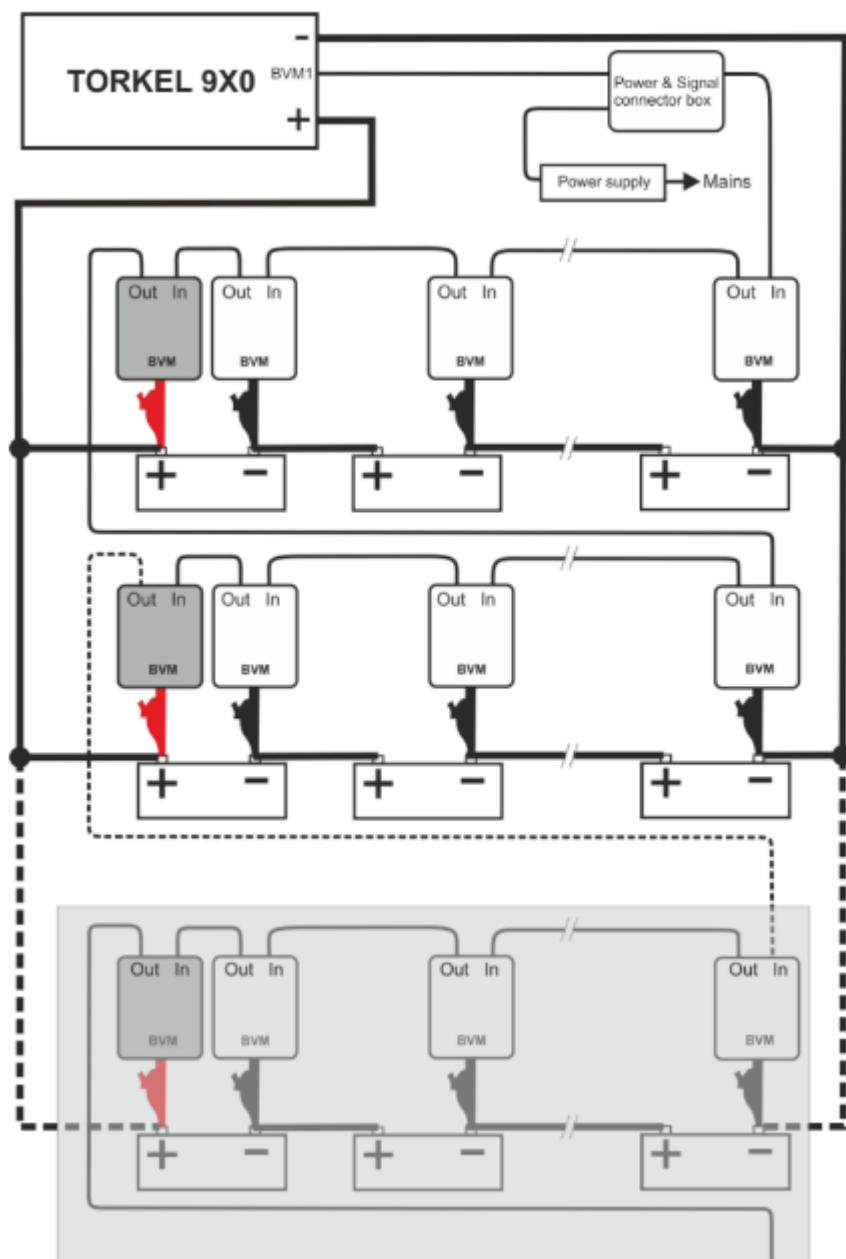
If 2 loops used and connected to TORCEL 900, and total voltage exceeds 300 V.

Then the opto-couplers have to be used.

See picture on next pages about parallel connection for both TORCEL 800 and TORCEL 900.

If more than 61 BVM used in 1 loop, the last BVM unit shall also be connected to the "Power & Signal connector"

1. Connection examples with Torkel 900



2. Connection examples with TORCEL 800

TORCEL 800 and parallel battery string

The report in TORCEL Win will show a missing cell bar for each of the strings.
As it's an extra BVM for each string to cover up for the parallel connection.

