

## Checklist for Li-ion home storage systems

Technical characteristics	Score
Two electromechanical normally open DC relays for the redundant disconnection of the battery	50
Over/undervoltage monitoring on the cell level with redundant triggering of battery disconnection	10
Single cell temperature monitoring on each cell or Current Interrupt Device (CID) in each cell	20
Reliable protection against recommissioning after deep discharge or other significant damage to the battery	20
No insecure direct connection of cells in parallel without Current Interrupt Device (CID) in each cell	10
Active current control as a function of cell voltage and cell temperature	20
Metallic, enclosed battery housing or alternatively a sealed metal battery cabinet	10
Transport tests according to UN38.3 for the battery system and/or battery module	10
<b>Total score</b>	

If the total score is less than 110, the system should be checked in more detail.

The technical characteristics listed above only give a rough indication for the assessment of safety-related components. The safety is moreover influenced by the operating mode, the site as well as the installation and has to be tested separately. Additionally, the current international standards and directives (IEC, DIN EN, UN) have to be fulfilled. Certification according to the draft DIN EN 62619 is also recommended.