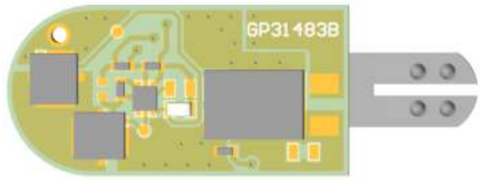
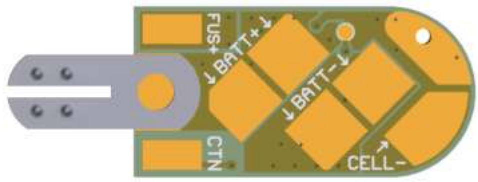
Battery safety
Single cell protection circuits

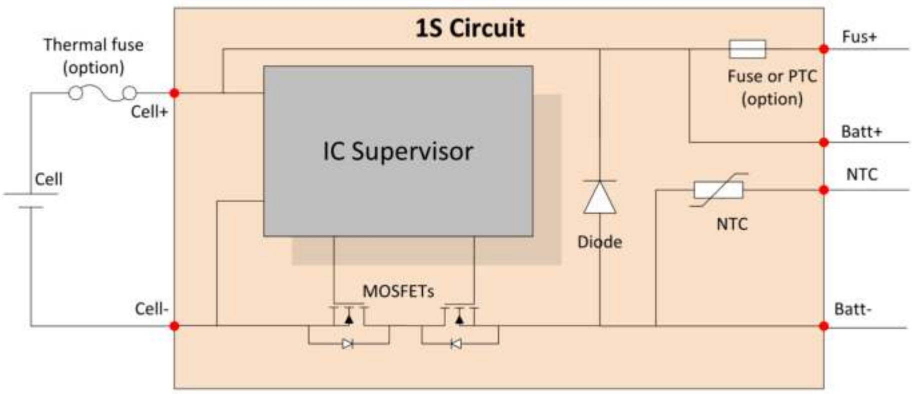
Electronic protection circuits for Li-ion 3.65 V MP xlr cells



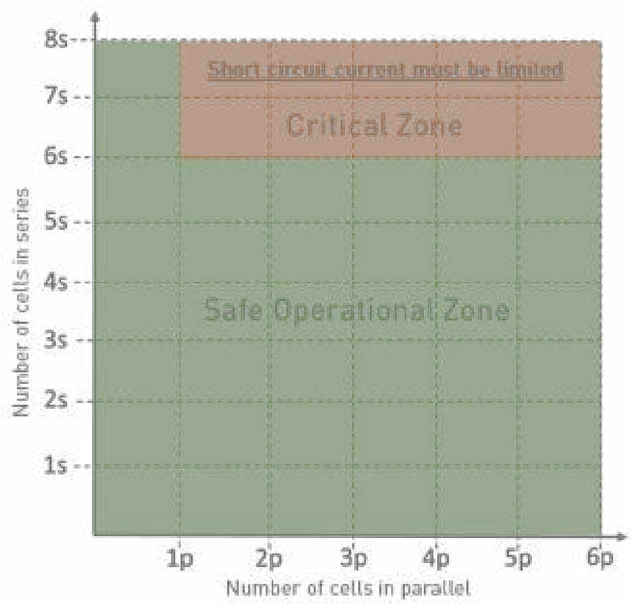


[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]



1S Circuit
Thermal fuse
(option)
Cell+
Cell
Cell-
IC Supervisor
MOSFETs
Diode
Fuse or PTC
(option)
NTC
Fus+
Batt+
NTC
Batt-



Short circuit current must be limited
Critical Zone
Safe Operational Zone
8s
7s
6s
5s
4s
3s
2s
1s
Number of cells in series
1p
2p
3p
4p
5p
6p
Number of cells in parallel