

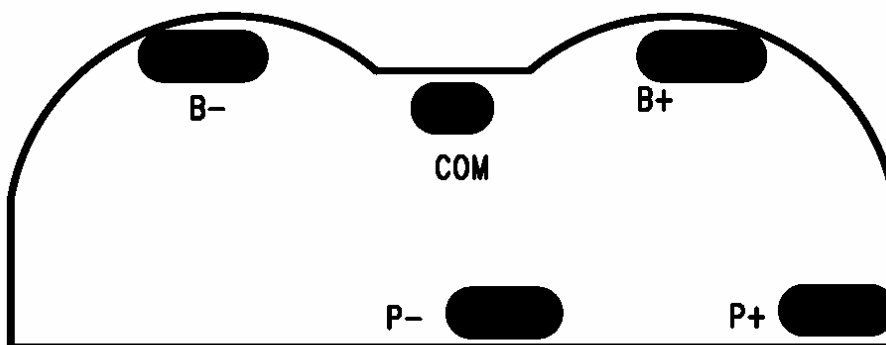
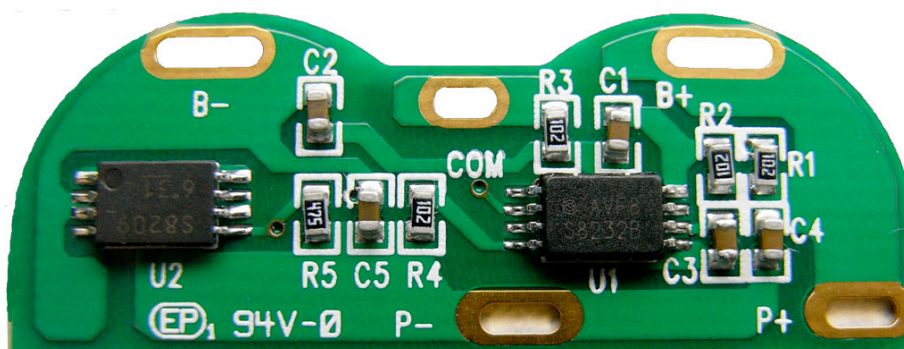
Specifications Li-Ion pack protection module ENEL3

The ENEL3 is a Li-Ion protection module designed to protect a two cell Li-Ion battery pack (suited for cylindrical cells) off overcharge, deep discharge as well as excessive discharge currents. It features a very low power consumption in sleep mode.

The following specifications apply :

• Overcharge protection voltage	4.35±0.025V per cell
• Deep discharge detection voltage	2.3±0.1V per cell
• Max. discharge/charge current	3A, other currents on request
• Max. input voltage	18V
• Overcurrent protection delay	about 10ms
• Short circuit protection delay	about 300µs
• Deep discharge protection delay	about 100ms
• Overcharge protection delay	about 1.0s
• Max. current consumption, active	13µA, 7.5µA typical
• Max. current consumption, sleep	0.1µA, at $V_{bat} < 1.5V$ per cell
• Max. Dimension	34mm x 12.8mm x 1.9mm(LxWxH)

Pad layout diagram



Pad Name	Description
B+	Positive terminal of cell 1
B-	Negative terminal of cell 2
P+	Positive terminal of battery pack (charger/load)
P-	Negative terminal of battery pack (charger/load)
COM	Common terminal of cell 1 and cell 2