



Guide to the Mechanics of Inspired Energy Standard Smart Batteries

Document Produced by Accutronics Ltd

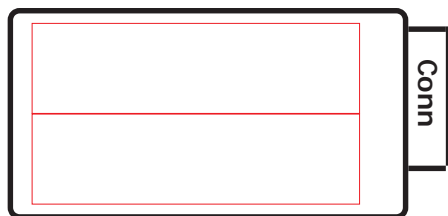
Updated 02.11.2010

This document is intended to give the reader a quick overview of the size of each Inspired Energy battery so that comparisons can be made. The red lines on each document show the approximate location of the cells within the battery. Refer to www.accutronics.co.uk for latest technical data. 3D CAD models (for the purposes of end product design) are available upon request.

Dimensions and weights are nominal. Refer to published data sheets for tolerances

Inspired Energy Battery Configurations

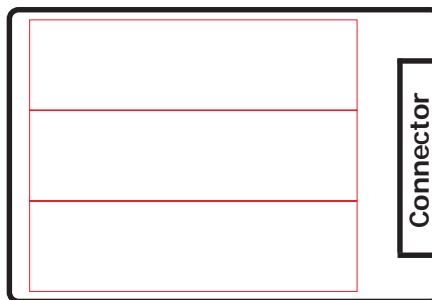
2 & 3 cell Lilon Variants



NB2037

7.2V 2.9Ah (20.9Wh)

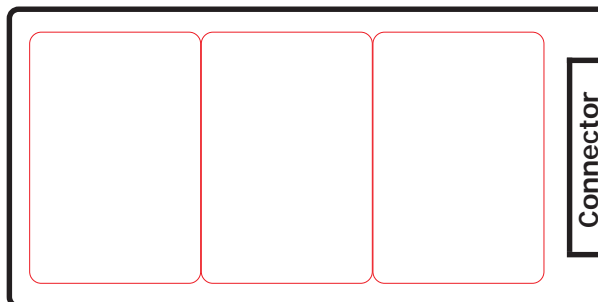
85.42mm x 42.04mm x 22.35mm
122g



NC2040

10.8V 2.4Ah to 2.9Ah (25.9Wh to 31.3Wh)

84.87mm x 58.77mm x 21.89mm
184g



NC2560

10.8V 2.0Ah (21.6Wh)

119.97mm x 59.02mm x 15.88mm
180g

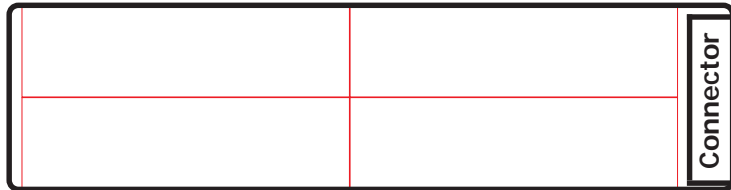


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Inspired Energy Battery Configurations

4 cell Lilon Variants

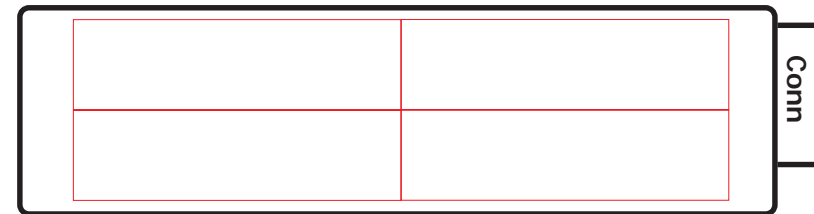


ND2017 - Not For New Designs

7.2V 5.8Ah (41.8Wh)

144.65mm x 37.59mm x 20.07mm

220g



ND2037

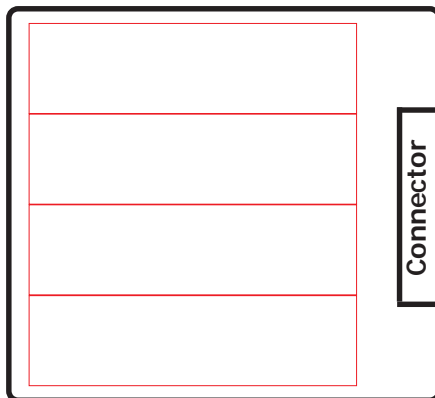
7.2V 5.8Ah (41.8Wh)

ND2034

14.4V 2.9Ah (41.8Wh)

150.88mm x 42.04mm x 22.35mm

240g



ND2053

3.6V 9.6Ah (34.6Wh)

ND2057

7.2V 4.8Ah to 5.8Ah (34.6Wh to 41.8Wh)

ND2054

14.4V 2.9Ah (41.8Wh)

85.09mm x 77.39mm x 22.51mm

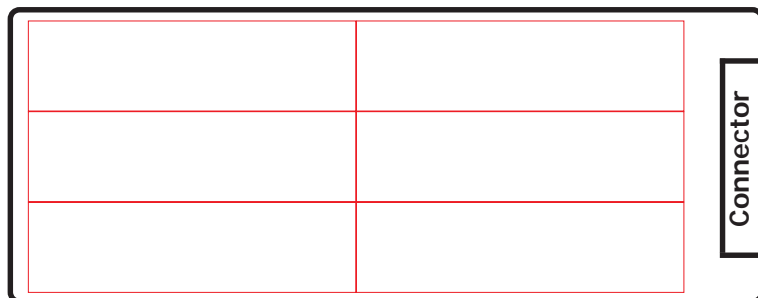
240g



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Inspired Energy Battery Configurations

6 and 8 cell LiIon Variants



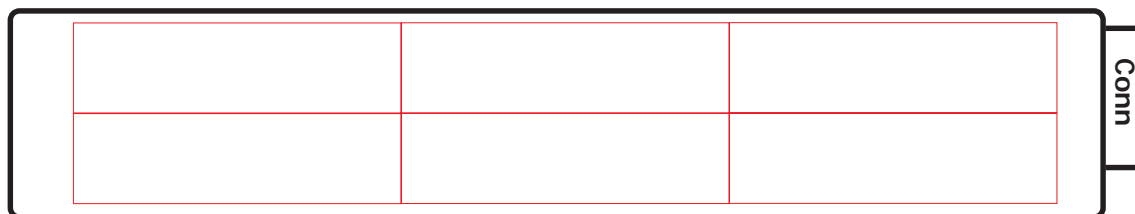
NF2040

10.8V 4.8Ah to 5.8Ah (51.8Wh to 62.6Wh)

NF2047

7.2V 8.7Ah (62.6Wh)

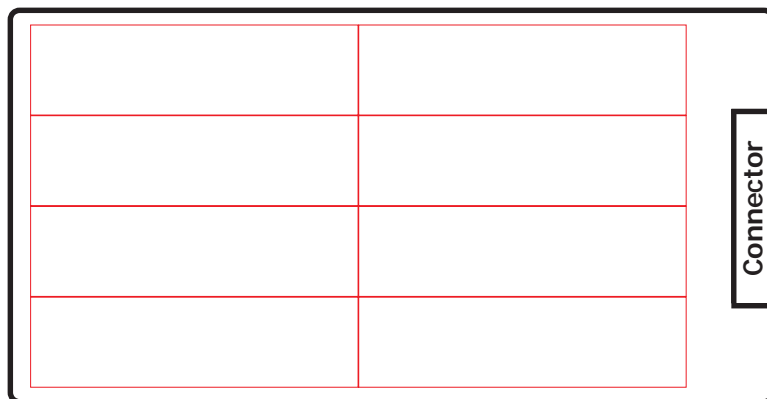
150.24mm x 58.77mm x 21.89mm
349g



NF2030

10.8V 5.8Ah (62.6Wh)

216.33mm x 42.04mm x 22.35mm
340g



NH2054

14.4V 4.8Ah to 5.8Ah (69.1Wh to 83.5Wh)

NH2057

7.2V 9.6Ah to 11.6Ah (69.1Wh to 83.5Wh)

150.37mm x 77.39mm x 22.51mm
460g

100mm

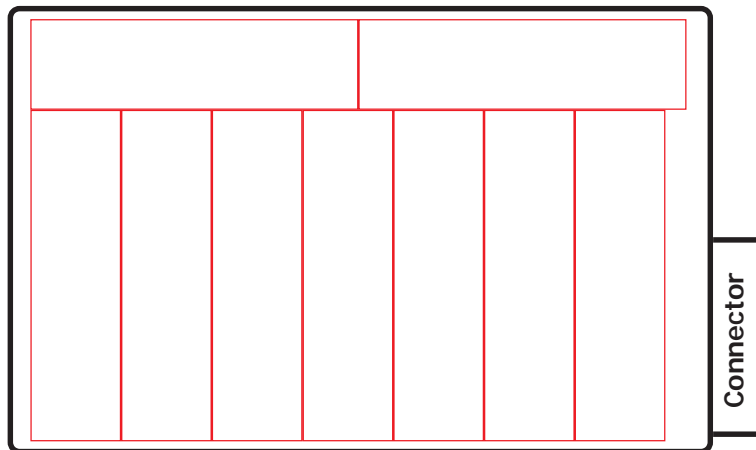


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Inspired Energy Battery Configurations

9 cell LiIon Variants

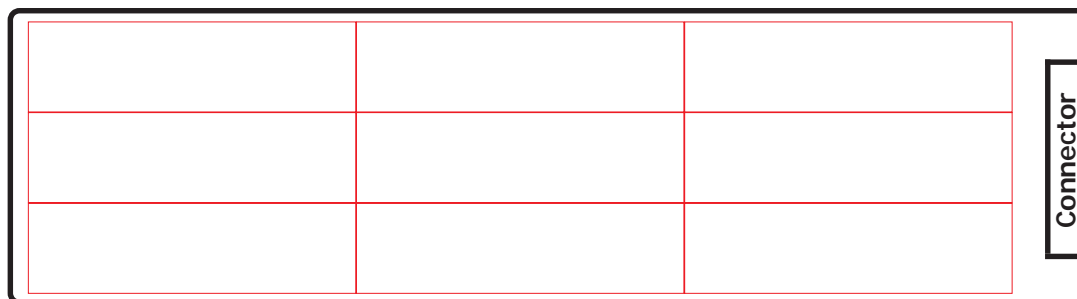


NI2020

10.8V 7.2Ah to 8.7Ah (77.8Wh to 94.0Wh)

148.84mm x 88.9mm x 19.45mm

506g



NI2040

10.8V 7.2Ah to 8.7Ah (77.8Wh to 94.0Wh)

214.25mm x 58.65mm x 21.89mm

506g

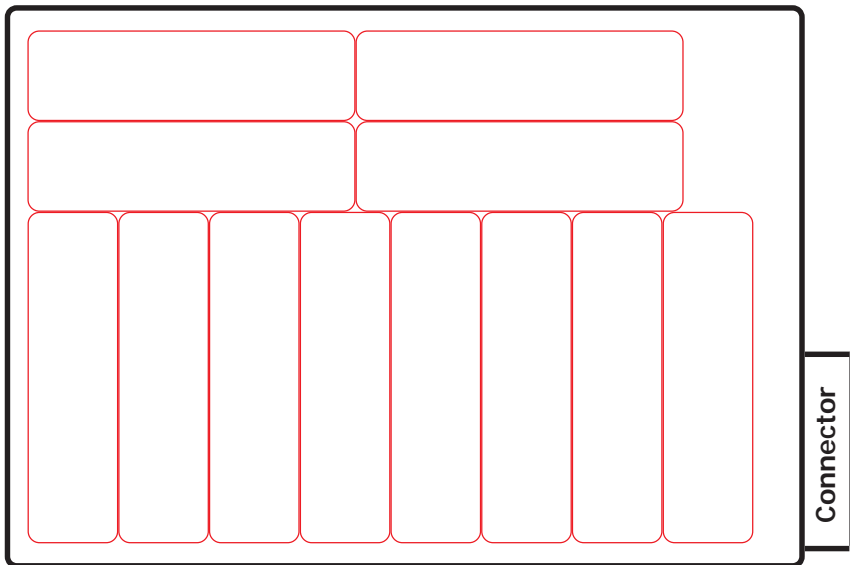
100mm



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Inspired Energy Battery Configurations

12 cell Liion Variants



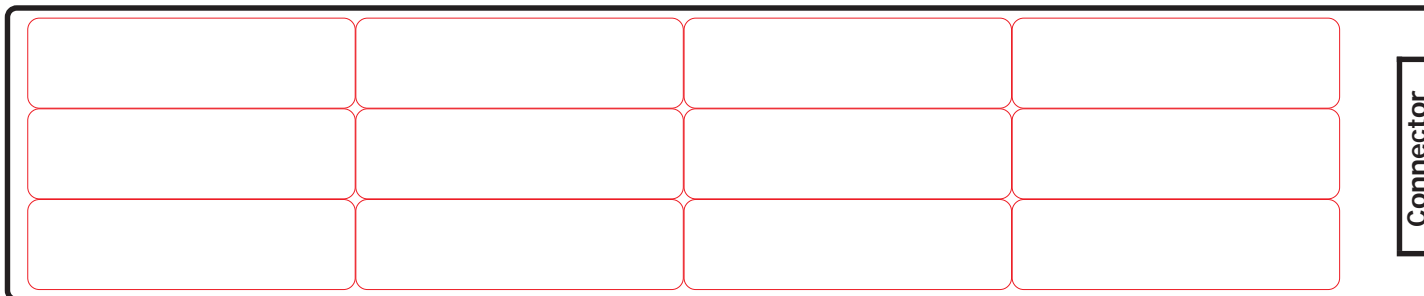
NL2020
10.8V 8.8Ah (95Wh)

NL2024
14.4V 6.6Ah (95Wh)

167.4mm x 107.4mm x 21.3mm
700g

Connector

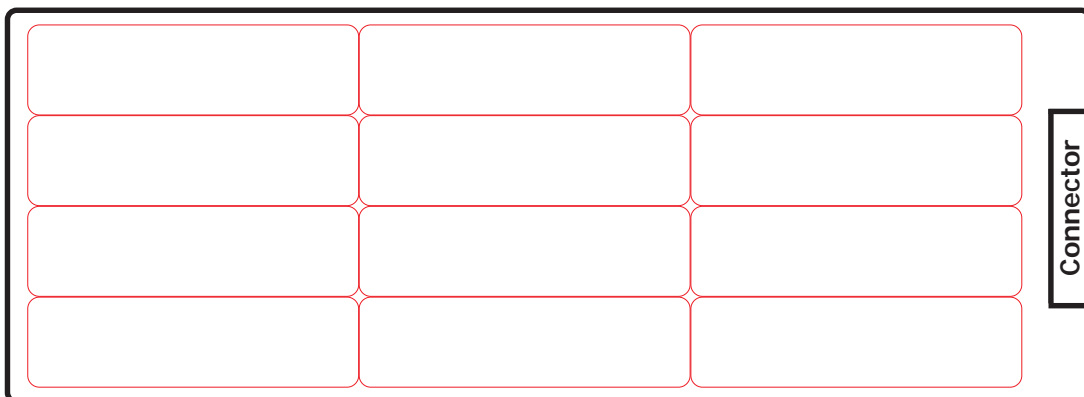
Dimensions and weights are nominal.
Refer to published data sheets for tolerances



NL2044
14.4V 6.6Ah (95Wh)

285.75mm x 58.77mm x 21.89mm
647g

Connector



NL2050
10.8V 8.8Ah (95Wh)

NL2054
14.4V 6.6Ah (95Wh)

215.65mm x 77.39mm x 22.51mm
647g

Connector

100mm

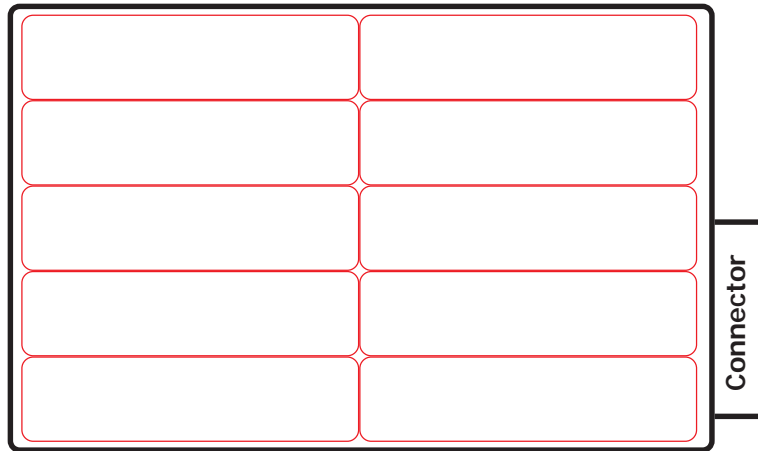


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Dimensions are maximum. Refer to published data sheets for tolerances.
Weights are nominal.

Inspired Energy Battery Configurations

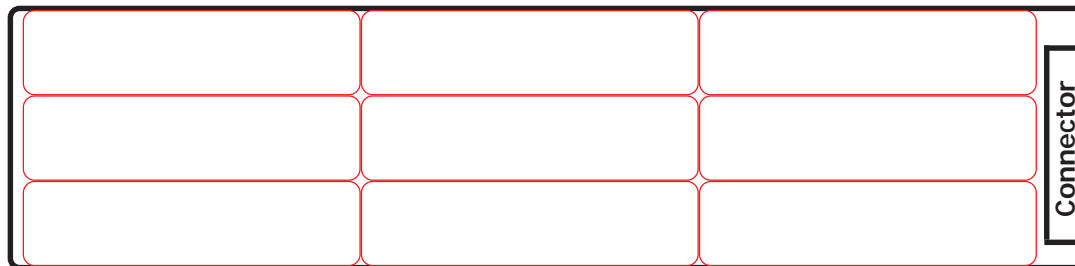
9 and 10 cell NiMH Variants



NJ1020

12.0V 3.85Ah (46.2Wh)

149.1mm x 89.1mm x 19.94mm
590g



NI1030

10.8V 3.85Ah (41.6Wh)

214.5mm x 52.5mm x 19.3mm
510g

100mm