



## Battery Test Summary

Milwaukee Tool hereby certifies that its rechargeable lithium-ion batteries have been tested to, and are compliant with, relevant battery test requirements as described in the latest revision of the UN *Manual of Tests and Criteria*. The following lithium-ion batteries are acceptable for transport when shipped in compliance with DOT, TDG, ADR, RID, IATA, ICAO, and IMDG regulations, among others.

| List of Tests Completed |                                    |             |
|-------------------------|------------------------------------|-------------|
| Tested                  |                                    | Pass / Fail |
| X                       | T.1: Altitude Simulation           | P           |
| X                       | T.2: Thermal Test                  | P           |
| X                       | T.3: Vibration                     | P           |
| X                       | T.4: Shock                         | P           |
| X                       | T.5: External Short Circuit        | P           |
| N/A                     | T.6: Impact (cells only)           | N/A         |
| X                       | T.7: Overcharge                    | P           |
| N/A                     | T.8: Forced Discharge (cells only) | N/A         |

Complete UN test documentation for the Lithium-ion batteries indicated on the next page is maintained on file at the Milwaukee Tool headquarters in Brookfield, Wisconsin, USA. For additional information contact Milwaukee Tool.

# International Lithium-Ion Battery Packs for use with tools and equipment

## M4 and RLUSB Batteries / Lighting

| Lithium-Ion Battery Model Number and description | International / Alternate Model Number | Rating (Ah, Wh) | Description                                                                                            |
|--------------------------------------------------|----------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------|
| 2011R<br>IR Flashlight                           | 2011RH, IR FL500                       | 3Ah,<br>10.8Wh  | Black, cylindrical<br>102g                                                                             |
| 2013R<br>Task Light                              | IR FFL, IR TL500                       | 2.22Ah<br>8.5Wh | Black & Red, single cell<br>140 x 79; Wt. 231g                                                         |
| 2014R<br>Mini Clip Light                         | AHB852133Z (cell)                      | 4V<br>3Wh       | Black & Red, single cell<br>Wt. 72g                                                                    |
| 2015R<br>Mini Task Light                         | 2015R                                  | 4V<br>12.2Wh    | Black & Red, single cell<br>Wt. 236g                                                                   |
| 2016R<br>IR Flat Light                           | 902378PN2 (cell)                       | 4V<br>6.48Wh    | Black & Red, single cell<br>Wt. 138g                                                                   |
| 48-11-2132<br>USB SOLO 5.0Ah                     | RLS B5, MRLS B5                        | 5.0Ah           | Black & Red, single cell<br>140 x 79; Wt. 81g                                                          |
| 48-11-2133<br>USB SOLO 3.0Ah                     | RLS B3.5, MRLSB3                       | 3.4Ah<br>14Wh   | Black & Red, single cell<br>140 x 79; Wt. 63g                                                          |
| 48-11-2130<br>USB Battery 2.5Ah                  | L4 B2                                  | 2.5Ah,<br>10Wh  | Black, 1 cell in 1S/1P configuration<br>74 x 21 (cylindrical), Wt. 55g                                 |
| 48-11-2131<br>USB Battery 3.0Ah                  | L4 B3                                  | 3.0Ah,<br>12Wh  | Black, 1 cell in 1S/1P configuration<br>74 x 21 (cylindrical), Wt. 55g                                 |
| 48-11-2001<br>M4 2.0 Ah                          | M4 B2                                  | 2.0Ah,<br>8Wh   | Red with Black base, 1 cell in 1S/1P configuration<br>75 x 28 (cylindrical), Base: 18 x 36;<br>Wt. 71g |

## M12 Batteries / Heated Gear

| Lithium-Ion Battery<br>Model Number and<br>description | International / Alternate Model<br>Number                | Rating<br>(Ah, Wh) | Description                                                               |
|--------------------------------------------------------|----------------------------------------------------------|--------------------|---------------------------------------------------------------------------|
| 48-11-2461                                             | 130865001M                                               | 6.0Ah,<br>72Wh     | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 437g |
| 48-11-2460<br>M12 XC 6.0 Ah                            | M12 B6, 48-11-2859, 48-11-6258                           | 6.0Ah,<br>64.8Wh   | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2450<br>M12 XC 5.0 Ah                            | M12 HB5                                                  | 5.0Ah<br>60Wh      | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2440<br>M12 XC 4.0 Ah                            | M12 B4, 48-11-2759                                       | 4.0Ah,<br>43Wh     | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2402<br>M12 XC 3.0 Ah                            | M12 BX, 48-11-2559, Li12BX,<br>0700913630, 0700956331    | 3.0Ah,<br>32.4Wh   | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 401g |
| 48-11-2430<br>M12 CP 3.0 Ah                            | M12 B3<br>48-11-2359                                     | 3.0Ah,<br>36Wh     | Black & Red, 3 cells in 3S/1P<br>configuration<br>85 x 47 x 48; Wt. 188g  |
| 48-11-2425<br>M12 CP 2.5 Ah                            | M12 HB2.5                                                | 2.5Ah<br>30Wh      | Black & Red, 3 cells in 3S/1P<br>configuration<br>85 x 47 x 48; Wt. 183g  |
| 48-11-2420<br>M12 CP 2.0 Ah                            | M12 B2<br>48-11-2659                                     | 2.0Ah,<br>21.6Wh   | Black & Red, 3 cells in 3S/1P<br>configuration<br>85 x 47 x 48; Wt. 183g  |
| 48-11-2401<br>M12 CP 1.5 Ah                            | M12 B, 48-11-2459, M12 B Asia,<br>0700913615, 4932445707 | 1.5Ah,<br>16.2Wh   | Black & Red, 3 cells in 3S/1P<br>configuration<br>85 x 47 x 48; Wt. 180g  |
| 48-11-2460<br>M12 XC 6.0 Ah                            | M12 B6, 48-11-2859, 48-11-6258                           | 6.0Ah,<br>64.8Wh   | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2450<br>M12 XC 5.0 Ah                            | M12 HB5                                                  | 5.0Ah<br>60Wh      | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2440<br>M12 XC 4.0 Ah                            | M12 B4, 48-11-2759                                       | 4.0Ah,<br>43Wh     | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 406g |
| 48-11-2402<br>M12 XC 3.0 Ah                            | M12 BX, 48-11-2559, Li12BX,<br>0700913630, 0700956331    | 3.0Ah,<br>32.4Wh   | Black & Red, 6 cells in 3S/2P<br>configuration<br>111 x 66 x 87; Wt. 401g |
| 48-11-2401<br>M12 CP 1.5Ah                             | M12B, 48-11-2459, M12B,<br>,0700 913 615, 4932445707     | 1.5Ah,<br>18Wh     | Black & Red, 3 cells in 3S/1P<br>configuration<br>85 x 47 x 48; Wt. 180g  |
| 48-11-2320<br>Mini Flat Pack                           | IRMPSU2                                                  | 7.4V<br>14.8Wh     | Black & Red,<br>85.0mm x 57.8mm x 20.25                                   |
| 48-11-2325<br>Mid Flat Pack                            | IRMPSU3.5                                                | 3.55Ah<br>25Wh     | Black & Red<br>85.0mm x 57.8mm x 20.25                                    |
| 48-11-2330<br>Flat Pack                                | IRPSU3                                                   | 3.0Ah<br>36Wh      | Black & Red<br>85.0mm x 57.8mm x 20.25                                    |

## M18 Batteries

| Lithium-Ion Battery Model Number and description | International / Alternate Model Number                                                                       | Rating (Ah, Wh)  | Description                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------|
| 130562001DG9C                                    | 130562001DG9C                                                                                                | 20Ah, 360Wh      | Black & Red, 3 cells in 5S/5P configuration<br>2540g               |
| 48-11-1812<br>M18 HO HD 12.0 Ah                  | M18 HB 12                                                                                                    | 12.0Ah,<br>216Wh | Black, 15 cells in 5S/3P configuration<br>98 x 85 x 152; Wt. 1528g |
| 48-11-1813<br>M18 FORGE 12.0Ah                   | M18 FB12                                                                                                     | 12.0Ah,<br>216Wh | Black, 15 cells in 5S/3P configuration<br>Wt. 1437g                |
| 48-11-1890<br>M18 HD 9.0 Ah                      | M18 HB 9, 48-11-2959, 50-11-1890, 50-11-1891, 9089235, 340661                                                | 9.0Ah,<br>162Wh  | Black, 15 cells in 5S/3P configuration<br>88 x 79 x 133; Wt. 1076g |
| 48-11-1880<br>M18 HB 8.0 Ah                      | M18 HB 8, 130471001DG9, 130471002DG9                                                                         | 8.0Ah,<br>144Wh  | Black, 10 cells in 5S/2P configuration<br>81 x 84 x 138; Wt. 1067g |
| 48-11-1881<br>M18 FORGE 8.0Ah                    | M18 FB8                                                                                                      | 8.0Ah,<br>144Wh  | Black, 10 cells in 5S/2P configuration<br>Wt. 1040g                |
| 48-11-1865<br>M18 HO 6.0 Ah                      | M18 HB 6, M18 HB 5.5                                                                                         | 6.0Ah,<br>108Wh  | Black, 10 cells in 5S/2P configuration<br>81 x 84 x 138; Wt. 1067g |
| 48-11-1861<br>M18 FORGE 6.0Ah                    | M18 FB6, M18 FB5.5                                                                                           | 6.0Ah,<br>108Wh  | Black, 10 cells in 5S/2P configuration<br>79 x 83 x 126; Wt. 937g  |
| 48-11-1860<br>M18 XC 6.0 Ah                      | M18 B6, 48-11-3059, 50-11-1861                                                                               | 6.0Ah,<br>108Wh  | Black, 10 cells in 5S/2P configuration<br>73 x 78 x 117; Wt. 751g  |
| 48-11-1850<br>M18 XC 5.0 Ah                      | M18 B5, 48-11-2259, 48-11-1850R, M18CB5, M18B5-CR, BBP 18V 9079202, 241915, CBA TR18HD5, 0700913734, Li 18B5 | 5.0Ah,<br>90Wh   | Black, 10 cells in 5S/2P configuration<br>73 x 78 x 117; Wt. 726g  |
| 48-11-1855<br>M18 FORGE 5.0 Ah                   | M18 HB5                                                                                                      | 5.0Ah,<br>90Wh   | Black, 10 cells in 5S/2P configuration<br>73 x 78 x 117; Wt. 708g  |
| 48-11-1840<br>M18 XC 4.0 Ah                      | M18 B4, 48-11-2159, Li 18 B4, 50-11-1842, 0700913732, 0700913740, 175187, 9048293, CBA TR 18 HD              | 4.0Ah,<br>72Wh   | Black, 10 cells in 5S/2P configuration<br>73 x 78 x 117; Wt. 715g  |
| 48-11-1845<br>M18 HO CP 4.0 Ah                   | M18 HB 4, 50-11-1845, ANZ                                                                                    | 4.0Ah,<br>72Wh   | Black, 5 cells in 5S/1P configuration<br>58 x 83 x 134; Wt. 584g   |
| 48-11-1828<br>M18 XC 3.0 Ah                      | M18 BX, Li 18, Li 18 BX, 48-11-1959, 0700913730, 0700913731, 175185, 9048291                                 | 3.0Ah,<br>54Wh   | Black, 10 cells in 5S/2P configuration<br>73 x 78 x 117; Wt. 699g  |
| 48-11-1835<br>M18 HO CP 3.0 Ah                   | M18 HB 3                                                                                                     | 3.0Ah,<br>54Wh   | Black, 5 cells in 5S/1P configuration<br>58 x 83 x 134; Wt. 607g   |
| 48-11-1820<br>M18 CP 2.0 Ah                      | M18 B2, Li18 B2, 48-11-2059, 0700913733, 241914, 9079201                                                     | 2.0Ah,<br>36Wh   | Black, 5 cells in 5S/1P configuration<br>54 x 78 x 118; Wt. 430g   |
| 48-11-1815<br>M18 CP 1.5 Ah                      | M18 B, 48-11-1859, Li 18B, 982-2, 0700913715, Li18                                                           | 1.5Ah,<br>27Wh   | Black, 5 cells in 5S/1P configuration<br>54 x 78 x 118; Wt. 424g   |

## M28 Batteries

| Lithium-Ion Battery Model Number and description | International / Alternate Model Number              | Rating (Ah, Wh) | Description                                                        |
|--------------------------------------------------|-----------------------------------------------------|-----------------|--------------------------------------------------------------------|
| 48-11-2855<br>M28 5.0 Ah                         | M28 B5, 50-11-2855, 0700957731                      | 5.0Ah,<br>140Wh | Black, 14 cells in 7S/2P configuration<br>81 x 82 x 133; Wt. 1023g |
| 48-11-2830<br>M28 3.0 Ah                         | M28 BX, 50-11-2835, 0700957730,<br>Li28M, CBA TR 28 | 3.0Ah,<br>84Wh  | Black, 14 cells in 7S/2P configuration<br>81 x 82 x 133; Wt. 998g  |

## MX FUEL Batteries

| Lithium-Ion Battery Model Number and description | International / Alternate Model Number | Rating (Ah, Wh)     | Description                                                             |
|--------------------------------------------------|----------------------------------------|---------------------|-------------------------------------------------------------------------|
| MXF CP203<br>72V, 3Ah                            | CP203                                  | 3.0Ah,<br>216Wh     | Black, 20 cells in 20S/1P configuration<br>105 x 1000 x 2700; Wt. 2720g |
| MXF CP204<br>72V, 4Ah                            | CP204                                  | 4.0Ah,<br>288Wh     | Black, 20 cells in 20S/1P configuration<br>105 x 1000 x 2700; Wt. 2662g |
| MXF XC406<br>72V, 6Ah                            | XC406                                  | 6.0Ah,<br>2 x 216Wh | Black, 40 cells in 20S/2P configuration<br>105 x 1810 x 2700; Wt. 4820g |
| MXF XC608<br>72V, 8Ah                            | XC608                                  | 8.0Ah,<br>576Wh     | Black, 40 cells in 20S/2P configuration<br>105 x 1810 x 2700; Wt. 4820g |
| MXF HD812<br>72V, 12Ah                           | HD812                                  | 12.0Ah,<br>864Wh    | Black, 60 cells in 20S/3P configuration<br>Wt. 6040g                    |

## Mobile Power

| Lithium-Ion Battery Model Number and description | International / Alternate Model Number | Rating (Ah, Wh)          | Description                                                                             |
|--------------------------------------------------|----------------------------------------|--------------------------|-----------------------------------------------------------------------------------------|
| 50-11-3300R                                      | MRPS, 3300R                            | 102V<br>24.5Ah<br>2500Wh | Black / red, cells in 28S/5P configuration<br>NET Wt:45.4kg<br>15.7Kg, lithium content: |
| 50-11-3301R                                      | 3301R, 3301RR                          | 102V<br>60.0Ah<br>6132Wh | Black / red, cells in 28S/12P configuration<br>NET Wt:82kg<br>34.5Kg, lithium content:  |