

Northstar 190FT Red Battery™



Discharge Tables - 25°C (77°F)

Current / A

| Duration | | End of Discharge Voltage | | | | | | | | |
|----------|-------|--------------------------|-------|-------|-------|-------|-------|-------|--------|--------|
| Mins | Hours | 1.85 | 1.80 | 1.75 | 1.70 | 1.67 | 1.65 | 1.60 | 1.55 | 1.50 |
| 2 | 0.03 | 425.7 | 524.2 | 629.1 | 735.6 | 798.0 | 838.1 | 930.6 | 1006.9 | 1061.6 |
| 5 | 0.08 | 425.3 | 493.1 | 561.0 | 626.2 | 662.9 | 685.9 | 737.2 | 777.5 | 804.5 |
| 10 | 0.17 | 359.0 | 400.7 | 440.8 | 477.9 | 498.3 | 510.8 | 538.1 | 558.8 | 571.9 |
| 15 | 0.25 | 306.4 | 335.5 | 362.8 | 387.7 | 401.1 | 409.3 | 426.9 | 439.9 | 447.8 |
| 20 | 0.33 | 267.4 | 289.1 | 309.3 | 327.4 | 337.1 | 342.9 | 355.4 | 364.5 | 369.9 |
| 30 | 0.50 | 214.0 | 227.7 | 240.3 | 251.4 | 257.2 | 260.7 | 268.1 | 273.3 | 276.3 |
| 45 | 0.75 | 165.7 | 174.0 | 181.4 | 187.8 | 191.2 | 193.1 | 197.3 | 200.1 | 201.6 |
| 60 | 1 | 135.8 | 141.3 | 146.3 | 150.5 | 152.7 | 154.0 | 156.6 | 158.4 | 159.3 |
| 120 | 2 | 79.8 | 81.7 | 83.3 | 84.7 | 85.4 | 85.8 | 86.6 | 87.1 | 87.3 |
| 180 | 3 | 56.8 | 57.8 | 58.6 | 59.3 | 59.6 | 59.8 | 60.2 | 60.4 | 60.4 |
| 240 | 4 | 44.2 | 44.8 | 45.2 | 45.7 | 45.8 | 46.0 | 46.2 | 46.3 | 46.3 |
| 300 | 5 | 36.2 | 36.6 | 36.9 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.6 |
| 480 | 8 | 23.5 | 23.7 | 23.8 | 24.0 | 24.0 | 24.1 | 24.1 | 24.2 | 24.2 |
| 600 | 10 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.5 | 19.6 | 19.6 | 19.6 |
| 1200 | 20 | 9.9 | 10.0 | 10.1 | 10.1 | 10.2 | 10.2 | 10.2 | 10.3 | 10.3 |

Capacity / Ah

| Duration | | End of Discharge Voltage | | | | | | | | |
|----------|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mins | Hours | 1.85 | 1.80 | 1.75 | 1.70 | 1.67 | 1.65 | 1.60 | 1.55 | 1.50 |
| 2 | 0.03 | 14.2 | 17.5 | 21.0 | 24.5 | 26.6 | 27.9 | 31.0 | 33.6 | 35.4 |
| 5 | 0.08 | 35.4 | 41.1 | 46.8 | 52.2 | 55.2 | 57.2 | 61.4 | 64.8 | 67.0 |
| 10 | 0.17 | 59.8 | 66.8 | 73.5 | 79.7 | 83.0 | 85.1 | 89.7 | 93.1 | 95.3 |
| 15 | 0.25 | 76.6 | 83.9 | 90.7 | 96.9 | 100.3 | 102.3 | 106.7 | 110.0 | 112.0 |
| 20 | 0.33 | 89.1 | 96.4 | 103.1 | 109.1 | 112.4 | 114.3 | 118.5 | 121.5 | 123.3 |
| 30 | 0.50 | 107.0 | 113.9 | 120.1 | 125.7 | 128.6 | 130.4 | 134.0 | 136.7 | 138.1 |
| 45 | 0.75 | 124.3 | 130.5 | 136.0 | 140.9 | 143.4 | 144.9 | 148.0 | 150.1 | 151.2 |
| 60 | 1 | 135.8 | 141.3 | 146.3 | 150.5 | 152.7 | 154.0 | 156.6 | 158.4 | 159.3 |
| 120 | 2 | 159.5 | 163.4 | 166.7 | 169.5 | 170.9 | 171.7 | 173.3 | 174.3 | 174.7 |
| 180 | 3 | 170.4 | 173.3 | 175.7 | 177.8 | 178.8 | 179.4 | 180.5 | 181.2 | 181.3 |
| 240 | 4 | 176.7 | 179.0 | 181.0 | 182.6 | 183.4 | 183.8 | 184.7 | 185.2 | 185.3 |
| 300 | 5 | 180.9 | 182.9 | 184.5 | 185.9 | 186.5 | 186.9 | 187.6 | 188.0 | 188.0 |
| 480 | 8 | 188.0 | 189.5 | 190.7 | 191.7 | 192.2 | 192.5 | 193.0 | 193.3 | 193.3 |
| 600 | 10 | 190.7 | 192.1 | 193.3 | 194.3 | 194.7 | 195.0 | 195.5 | 195.8 | 195.8 |
| 1200 | 20 | 197.9 | 199.7 | 201.3 | 202.6 | 203.3 | 203.7 | 204.5 | 205.0 | 205.3 |

Power / W per cell

| Duration | | End of Discharge Voltage | | | | | | | | |
|----------|-------|--------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Mins | Hours | 1.85 | 1.80 | 1.75 | 1.70 | 1.67 | 1.65 | 1.60 | 1.55 | 1.50 |
| 2 | 0.03 | 786.9 | 939.4 | 1095.3 | 1247.2 | 1333.1 | 1387.1 | 1506.8 | 1598.6 | 1656.5 |
| 5 | 0.08 | 799.4 | 903.0 | 1003.5 | 1097.2 | 1148.5 | 1180.1 | 1248.7 | 1300.0 | 1331.3 |
| 10 | 0.17 | 683.2 | 746.4 | 805.8 | 859.5 | 888.4 | 906.0 | 943.5 | 971.0 | 987.3 |
| 15 | 0.25 | 587.3 | 631.2 | 671.8 | 708.0 | 727.2 | 738.8 | 763.4 | 781.2 | 791.5 |
| 20 | 0.33 | 515.0 | 547.8 | 577.8 | 604.3 | 618.3 | 626.7 | 644.4 | 657.0 | 664.2 |
| 30 | 0.50 | 414.9 | 435.7 | 454.5 | 470.9 | 479.4 | 484.5 | 495.2 | 502.6 | 506.7 |
| 45 | 0.75 | 323.4 | 335.9 | 347.1 | 356.8 | 361.7 | 364.7 | 370.8 | 375.0 | 377.2 |
| 60 | 1 | 266.1 | 274.7 | 282.2 | 288.6 | 291.9 | 293.9 | 297.8 | 300.5 | 301.8 |
| 120 | 2 | 157.8 | 160.9 | 163.6 | 165.8 | 166.9 | 167.6 | 168.9 | 169.7 | 170.0 |
| 180 | 3 | 112.9 | 114.6 | 116.0 | 117.1 | 117.7 | 118.0 | 118.6 | 119.0 | 119.1 |
| 240 | 4 | 88.1 | 89.2 | 90.0 | 90.8 | 91.1 | 91.3 | 91.7 | 91.9 | 91.9 |
| 300 | 5 | 72.3 | 73.1 | 73.7 | 74.2 | 74.4 | 74.6 | 74.8 | 75.0 | 75.0 |
| 480 | 8 | 47.2 | 47.6 | 47.9 | 48.2 | 48.3 | 48.3 | 48.5 | 48.5 | 48.5 |
| 600 | 10 | 38.4 | 38.7 | 38.9 | 39.1 | 39.2 | 39.3 | 39.4 | 39.4 | 39.4 |
| 1200 | 20 | 20.0 | 20.2 | 20.3 | 20.4 | 20.5 | 20.5 | 20.6 | 20.6 | 20.7 |