

EnerSys[®]

Power/Full Solutions



PowerSafe[®]
V

Performance Data

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.73Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 177.5 | 123.3 | 97.2 | 77.2 | 66.5 | 57.8 | 51.1 | 46.4 | 42.3 | 39.4 | 36.5 | 34.5 | 24.6 | 19.3 | 16.1 | 13.8 | 10.7 | 8.78 | 7.47 | 6.49 | 5.77 | 5.18 | 4.71 | 4.00 | 2.08 |
| 12V55 | 220.0 | 152.5 | 120.4 | 95.8 | 82.4 | 71.6 | 63.3 | 57.5 | 52.4 | 48.8 | 45.3 | 42.8 | 30.4 | 23.9 | 19.9 | 17.1 | 13.2 | 10.9 | 9.25 | 8.05 | 7.15 | 6.42 | 5.84 | 4.96 | 2.57 |
| 12V70 | 264.4 | 182.8 | 144.7 | 115.3 | 99.0 | 86.0 | 76.1 | 69.0 | 63.0 | 58.7 | 54.4 | 51.4 | 36.6 | 28.7 | 23.9 | 20.6 | 15.9 | 13.1 | 11.1 | 9.67 | 8.60 | 7.72 | 7.01 | 5.96 | 3.09 |
| 12V95 | 352.3 | 257.6 | 200.5 | 164.5 | 140.0 | 122.1 | 108.1 | 97.2 | 88.5 | 81.3 | 75.2 | 70.1 | 50.1 | 39.2 | 32.4 | 27.7 | 21.5 | 17.7 | 15.0 | 13.1 | 11.6 | 10.4 | 9.50 | 8.04 | 4.24 |
| 4V105 | 280.0 | 209.0 | 168.0 | 141.0 | 121.0 | 106.0 | 96.7 | 88.6 | 81.2 | 74.9 | 69.5 | 64.8 | 46.8 | 37.7 | 31.5 | 27.1 | 21.7 | 18.0 | 15.6 | 13.9 | 12.6 | 11.4 | 10.5 | 8.80 | 4.60 |
| 6V105 | 280.0 | 209.0 | 168.0 | 141.0 | 121.0 | 106.0 | 96.7 | 88.6 | 81.2 | 74.9 | 69.5 | 64.8 | 46.8 | 37.7 | 31.5 | 27.1 | 21.7 | 18.0 | 15.6 | 13.9 | 12.6 | 11.4 | 10.5 | 8.80 | 4.60 |
| 6V130 | 377.6 | 286.3 | 230.7 | 193.1 | 166.3 | 146.4 | 130.0 | 117.6 | 106.8 | 99.1 | 91.9 | 86.4 | 64.7 | 51.9 | 43.2 | 37.4 | 29.6 | 24.3 | 21.0 | 18.4 | 16.3 | 14.8 | 13.5 | 11.3 | 6.02 |
| 4V155 | 455.0 | 344.0 | 276.0 | 231.0 | 198.0 | 173.0 | 154.0 | 139.0 | 126.0 | 116.0 | 107.0 | 99.5 | 71.1 | 56.6 | 46.8 | 40.6 | 32.4 | 27.0 | 23.4 | 20.9 | 18.9 | 17.1 | 15.7 | 13.2 | 6.90 |
| 6V155 | 455.0 | 344.0 | 276.0 | 231.0 | 198.0 | 173.0 | 154.0 | 139.0 | 126.0 | 116.0 | 107.0 | 99.5 | 71.1 | 56.6 | 46.8 | 40.6 | 32.4 | 27.0 | 23.4 | 20.9 | 18.9 | 17.1 | 15.7 | 13.2 | 6.90 |
| 6V170 | 558.0 | 444.0 | 347.0 | 290.0 | 249.0 | 219.0 | 195.0 | 174.0 | 157.0 | 143.0 | 133.0 | 124.0 | 90.0 | 72.0 | 60.3 | 52.0 | 40.2 | 33.0 | 28.3 | 24.7 | 22.1 | 19.8 | 18.0 | 15.1 | 7.70 |
| 2V200 | 560.7 | 409.2 | 323.3 | 275.4 | 240.6 | 213.9 | 193.5 | 175.4 | 161.0 | 148.8 | 138.1 | 126.1 | 88.1 | 71.6 | 58.8 | 51.1 | 40.2 | 34.3 | 28.8 | 25.6 | 23.6 | 21.1 | 20.0 | 16.9 | 9.25 |
| 4V230 | 500.0 | 496.0 | 398.0 | 333.0 | 286.0 | 250.0 | 223.0 | 201.0 | 182.0 | 167.0 | 155.0 | 144.0 | 104.0 | 83.2 | 70.1 | 60.9 | 48.5 | 40.4 | 35.1 | 31.3 | 28.3 | 25.7 | 23.5 | 19.9 | 10.3 |
| 2V275 | 716.1 | 527.1 | 419.9 | 362.6 | 321.5 | 287.8 | 261.7 | 241.7 | 221.8 | 205.0 | 190.2 | 173.8 | 121.4 | 98.6 | 81.0 | 70.4 | 55.5 | 47.2 | 39.7 | 35.3 | 32.5 | 29.0 | 27.5 | 23.3 | 12.7 |
| 2V310 | 934.0 | 697.0 | 556.0 | 464.0 | 397.0 | 348.0 | 309.0 | 278.0 | 253.0 | 232.0 | 214.0 | 199.0 | 142.0 | 113.0 | 93.5 | 81.2 | 64.7 | 53.9 | 46.8 | 41.7 | 37.7 | 34.3 | 31.4 | 26.5 | 13.7 |
| 2V320 | 874.6 | 655.2 | 525.8 | 439.0 | 377.2 | 332.8 | 298.6 | 273.2 | 256.0 | 240.3 | 224.6 | 212.4 | 166.2 | 130.0 | 107.5 | 91.5 | 73.0 | 60.2 | 52.0 | 45.8 | 40.0 | 36.0 | 32.6 | 28.0 | 14.2 |
| 2V400/2 | 696.6 | 696.3 | 609.5 | 526.3 | 466.7 | 417.8 | 379.8 | 350.9 | 322.0 | 297.6 | 276.1 | 252.3 | 176.3 | 143.2 | 117.6 | 102.1 | 80.5 | 68.5 | 57.6 | 51.2 | 47.1 | 42.1 | 40.0 | 34.2 | 18.7 |
| 2V460/4 | 1000 | 1000 | 803.0 | 669.0 | 573.0 | 502.0 | 446.0 | 402.0 | 365.0 | 335.0 | 309.0 | 287.0 | 207.0 | 166.0 | 140.0 | 122.0 | 97.1 | 80.9 | 70.3 | 62.6 | 56.6 | 51.4 | 47.0 | 39.7 | 20.6 |
| 2V460/6 | 1401 | 1045 | 835.0 | 695.0 | 596.0 | 522.0 | 464.0 | 418.0 | 380.0 | 348.0 | 322.0 | 299.0 | 213.0 | 170.0 | 140.0 | 122.0 | 97.1 | 80.9 | 70.3 | 62.6 | 56.6 | 51.4 | 47.0 | 39.7 | 20.6 |
| 2V500/2 | 492.2 | 492.2 | 492.2 | 492.2 | 492.2 | 492.2 | 440.8 | 402.8 | 373.4 | 348.4 | 327.0 | 307.4 | 232.2 | 179.0 | 147.0 | 127.4 | 101.2 | 85.7 | 72.0 | 64.0 | 58.9 | 52.6 | 50.0 | 42.8 | 23.4 |
| 2V500/6 | 1531 | 1132 | 892.4 | 735.8 | 627.4 | 548.0 | 484.8 | 440.4 | 403.8 | 374.8 | 349.6 | 328.0 | 240.0 | 194.4 | 162.8 | 141.0 | 111.9 | 93.2 | 79.9 | 70.1 | 62.6 | 56.9 | 51.8 | 43.7 | 22.8 |

Discharge Currents (Amperes) to 1.75Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 160.1 | 121.4 | 95.7 | 75.9 | 65.1 | 57.0 | 50.5 | 45.5 | 41.7 | 39.2 | 36.1 | 34.5 | 24.4 | 19.1 | 16.0 | 13.7 | 10.6 | 8.74 | 7.44 | 6.44 | 5.75 | 5.16 | 4.69 | 3.99 | 2.07 |
| 12V55 | 198.4 | 150.5 | 118.6 | 94.1 | 80.7 | 70.7 | 62.5 | 56.4 | 51.7 | 48.6 | 44.8 | 42.8 | 30.2 | 23.7 | 19.8 | 17.0 | 13.1 | 10.8 | 9.22 | 7.98 | 7.13 | 6.40 | 5.81 | 4.94 | 2.57 |
| 12V70 | 238.4 | 180.8 | 142.5 | 113.0 | 97.0 | 84.9 | 75.2 | 67.8 | 62.1 | 58.4 | 53.8 | 51.4 | 36.3 | 28.4 | 23.8 | 20.4 | 15.8 | 13.0 | 11.1 | 9.59 | 8.56 | 7.69 | 6.99 | 5.94 | 3.08 |
| 12V95 | 341.1 | 251.6 | 197.2 | 162.5 | 138.6 | 121.2 | 107.8 | 97.2 | 88.5 | 81.3 | 75.2 | 70.1 | 50.1 | 39.2 | 32.4 | 27.7 | 21.5 | 17.7 | 15.0 | 13.1 | 11.6 | 10.4 | 9.50 | 8.04 | 4.24 |
| 4V105 | 269.0 | 204.0 | 165.0 | 139.0 | 120.0 | 106.0 | 96.1 | 88.1 | 80.6 | 74.3 | 69.0 | 64.5 | 46.7 | 37.5 | 31.5 | 27.1 | 21.6 | 18.0 | 15.6 | 13.9 | 12.5 | 11.4 | 10.4 | 8.80 | 4.60 |
| 6V105 | 269.0 | 204.0 | 165.0 | 139.0 | 120.0 | 106.0 | 96.1 | 88.1 | 80.6 | 74.3 | 69.0 | 64.5 | 46.7 | 37.5 | 31.5 | 27.1 | 21.6 | 18.0 | 15.6 | 13.9 | 12.5 | 11.4 | 10.4 | 8.80 | 4.60 |
| 6V130 | 363.5 | 277.7 | 224.7 | 188.1 | 162.8 | 143.9 | 127.5 | 116.1 | 104.8 | 97.2 | 90.9 | 85.4 | 64.0 | 51.5 | 42.8 | 37.1 | 29.4 | 24.1 | 21.0 | 18.4 | 16.3 | 14.8 | 13.5 | 11.3 | 6.02 |
| 4V155 | 427.0 | 327.0 | 265.0 | 223.0 | 193.0 | 169.0 | 151.0 | 136.0 | 124.0 | 114.0 | 106.0 | 98.2 | 70.5 | 56.1 | 46.6 | 40.5 | 32.3 | 26.9 | 23.4 | 20.8 | 18.8 | 17.1 | 15.6 | 13.2 | 6.80 |
| 6V155 | 427.0 | 327.0 | 265.0 | 223.0 | 193.0 | 169.0 | 151.0 | 136.0 | 124.0 | 114.0 | 106.0 | 98.2 | 70.5 | 56.1 | 46.6 | 40.5 | 32.3 | 26.9 | 23.4 | 20.8 | 18.8 | 17.1 | 15.6 | 13.2 | 6.80 |
| 6V170 | 525.0 | 427.0 | 335.0 | 281.0 | 243.0 | 216.0 | 193.0 | 172.0 | 155.0 | 142.0 | 132.0 | 122.0 | 89.0 | 71.5 | 59.9 | 51.6 | 40.1 | 32.9 | 28.1 | 24.5 | 21.9 | 19.6 | 17.8 | 15.0 | 7.60 |
| 2V200 | 535.8 | 395.7 | 314.3 | 269.0 | 235.1 | 210.3 | 189.9 | 171.8 | 158.3 | 145.5 | 135.2 | 124.4 | 86.3 | 69.8 | 58.0 | 50.2 | 39.8 | 33.8 | 28.8 | 25.6 | 23.6 | 21.1 | 20.0 | 16.9 | 9.25 |
| 4V230 | 500.0 | 475.0 | 385.0 | 324.0 | 280.0 | 246.0 | 219.0 | 198.0 | 180.0 | 166.0 | 153.0 | 143.0 | 103.0 | 82.8 | 69.9 | 60.8 | 48.5 | 40.3 | 35.0 | 31.2 | 28.2 | 25.6 | 23.4 | 19.8 | 10.3 |
| 2V275 | 680.6 | 504.6 | 405.0 | 348.9 | 311.5 | 280.4 | 255.4 | 236.7 | 218.1 | 200.5 | 186.2 | 171.4 | 119.0 | 96.2 | 79.9 | 69.2 | 54.9 | 46.6 | 39.7 | 35.3 | 32.5 | 29.0 | 27.5 | 23.3 | 12.7 |
| 2V310 | 889.0 | 670.0 | 539.0 | 451.0 | 388.0 | 340.0 | 303.0 | 274.0 | 249.0 | 229.0 | 211.0 | 197.0 | 141.0 | 112.0 | 93.1 | 81.0 | 64.6 | 53.7 | 46.7 | 41.6 | 37.6 | 34.1 | 31.2 | 26.4 | 13.7 |
| 2V320 | 839.0 | 634.0 | 513.0 | 429.0 | 370.0 | 328.0 | 295.0 | 270.0 | 254.0 | 239.2 | 224.3 | 212.0 | 165.5 | 130.0 | 107.4 | 91.5 | 73.0 | 60.2 | 52.0 | 45.8 | 40.0 | 36.0 | 32.6 | 28.0 | 14.2 |
| 2V400/2 | 733.0 | 732.5 | 587.8 | 506.4 | 452.2 | 407.0 | 370.8 | 343.7 | 316.5 | 291.0 | 270.3 | 248.8 | 172.7 | 139.7 | 115.9 | 100.4 | 79.6 | 67.7 | 57.6 | 51.2 | 47.1 | 42.1 | 40.0 | 34.2 | 18.7 |
| 2V460/4 | 1000 | 973.0 | 782.0 | 654.0 | 563.0 | 494.0 | 440.0 | 397.0 | 362.0 | 332.0 | 307.0 | 285.0 | 206.0 | 166.0 | 140.0 | 122.0 | 96.9 | 80.6 | 70.1 | 62.4 | 56.4 | 51.2 | 46.9 | 39.6 | 20.5 |
| 2V460/6 | 1333 | 1005 | 808.0 | 676.0 | 582.0 | 510.0 | 455.0 | 410.0 | 374.0 | 343.0 | 317.0 | 295.0 | 211.0 | 168.0 | 140.0 | 122.0 | 96.9 | 80.6 | 70.1 | 62.4 | 56.4 | 51.2 | 46.9 | 39.6 | 20.5 |
| 2V500/2 | 481.0 | 481.0 | 481.0 | 481.0 | 481.0 | 481.0 | 432.0 | 396.0 | 369.0 | 344.0 | 325.0 | 326.0 | 239.9 | 194.0 | 162.8 | 141.0 | 111.5 | 93.2 | 79.8 | 70.1 | 62.6 | 56.9 | 51.8 | 43.7 | 22.8 |
| 2V500/6 | 1465 | 1100 | 874.0 | 719.0 | 617.0 | 540.0 | 478.0 | 434.0 | 401.0 | 372.0 | 348.0 | 326.0 | 238.0 | 194.0 | 160.0 | 141.0 | 111.0 | 93.2 | 77.1 | 67.2 | 62.8 | 53.7 | 51.8 | 47.4 | 21.3 |

Discharge Currents (Amperes) to 1.80Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|------|------|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 143.5 | 111.5 | 85.6 | 71.8 | 60.7 | 53.4 | 48.1 | 43.5 | 39.9 | 37.0 | 34.5 | 32.7 | 23.6 | 18.4 | 15.3 | 13.2 | 10.2 | 8.37 | 7.17 | 6.24 | 5.58 | 5.01 | 4.55 | 3.87 | 2.05 |
| 12V55 | 177.8 | 136.8 | 106.0 | 88.9 | 75.2 | 66.1 | 59.6 | 53.9 | 49.4 | 45.8 | 42.6 | 40.5 | 29.3 | 22.8 | 18.9 | 16.3 | 12.7 | 10.4 | 8.88 | 7.74 | 6.91 | 6.21 | 5.64 | 4.80 | 2.54 |
| 12V70 | 213.7 | 162.0 | 127.4 | 106.9 | 90.4 | 79.5 | 71.6 | 64.7 | 59.4 | 55.1 | 51.0 | 48.6 | 35.2 | 27.4 | 22.7 | 19.6 | 15.2 | 12.5 | 10.7 | 9.30 | 8.31 | 7.46 | 6.78 | 5.77 | 3.05 |
| 12V95 | 309.2 | 232.2 | 185.6 | 154.8 | 133.1 | 116.9 | 104.4 | 94.4 | 86.3 | 79.6 | 73.9 | 69.0 | 49.8 | 39.2 | 32.4 | 27.7 | 21.5 | 17.7 | 15.0 | 13.1 | 11.6 | 10.4 | 9.50 | 8.04 | 4.24 |
| 4V105 | 241.0 | 189.0 | 156.0 | 133.0 | 115.0 | 102.0 | 93.2 | 85.8 | 78.7 | 72.7 | 67.4 | 62.8 | 45.6 | 36.9 | 31.0 | 26.7 | 21.2 | 17.7 | 15.4 | 13.7 | 12.4 | 11.2 | 10.3 | 8.70 | 4.50 |
| 6V105 | 241.0 | | | | | | | | | | | | | | | | | | | | | | | | |

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.85Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 132.5 | 99.4 | 77.3 | 63.5 | 54.1 | 47.8 | 43.4 | 39.3 | 36.8 | 34.2 | 31.6 | 29.9 | 21.8 | 17.5 | 14.4 | 12.2 | 9.43 | 7.77 | 6.67 | 5.78 | 5.18 | 4.65 | 4.23 | 3.60 | 1.90 |
| 12V55 | 164.2 | 123.1 | 95.8 | 78.7 | 67.0 | 59.3 | 53.7 | 48.7 | 45.6 | 42.4 | 39.2 | 37.1 | 27.0 | 21.7 | 17.8 | 15.1 | 11.7 | 9.63 | 8.27 | 7.17 | 6.41 | 5.76 | 5.24 | 4.47 | 2.35 |
| 12V70 | 197.3 | 148.0 | 115.1 | 94.5 | 80.6 | 71.2 | 64.6 | 58.6 | 54.8 | 51.0 | 47.1 | 44.5 | 32.4 | 26.0 | 21.4 | 18.2 | 14.0 | 11.6 | 9.93 | 8.61 | 7.71 | 6.93 | 6.30 | 5.37 | 2.83 |
| 12V95 | 271.8 | 207.1 | 168.1 | 141.8 | 123.0 | 108.7 | 97.5 | 88.6 | 81.2 | 75.1 | 69.8 | 65.3 | 47.5 | 37.6 | 31.3 | 26.9 | 21.1 | 17.4 | 14.8 | 13.0 | 11.5 | 10.4 | 9.46 | 8.03 | 4.24 |
| 4V105 | 211.0 | 171.0 | 142.0 | 123.0 | 107.0 | 95.0 | 87.3 | 80.8 | 74.4 | 68.9 | 64.1 | 59.9 | 44.2 | 35.8 | 29.8 | 25.6 | 20.5 | 17.2 | 14.9 | 13.4 | 12.0 | 10.9 | 10.0 | 8.50 | 4.40 |
| 6V105 | 211.0 | 171.0 | 142.0 | 123.0 | 107.0 | 95.0 | 87.3 | 80.8 | 74.4 | 68.9 | 64.1 | 59.9 | 44.2 | 35.8 | 29.8 | 25.6 | 20.5 | 17.2 | 14.9 | 13.4 | 12.0 | 10.9 | 10.0 | 8.50 | 4.40 |
| 6V130 | 276.4 | 218.3 | 181.7 | 155.2 | 135.0 | 119.9 | 107.3 | 98.4 | 90.9 | 84.6 | 78.3 | 75.2 | 57.4 | 46.3 | 39.3 | 33.9 | 26.9 | 22.4 | 19.3 | 17.0 | 15.2 | 13.7 | 12.5 | 10.7 | 5.66 |
| 4V155 | 276.0 | 227.0 | 198.0 | 176.0 | 154.0 | 138.0 | 126.0 | 116.0 | 107.0 | 98.9 | 92.6 | 87.0 | 64.3 | 52.1 | 44.2 | 38.5 | 30.7 | 25.7 | 22.5 | 20.0 | 18.0 | 16.4 | 15.0 | 12.6 | 6.50 |
| 6V155 | 276.0 | 227.0 | 198.0 | 176.0 | 154.0 | 138.0 | 126.0 | 116.0 | 107.0 | 98.9 | 92.6 | 87.0 | 64.3 | 52.1 | 44.2 | 38.5 | 30.7 | 25.7 | 22.5 | 20.0 | 18.0 | 16.4 | 15.0 | 12.6 | 6.50 |
| 6V170 | 348.0 | 292.0 | 247.0 | 220.0 | 200.0 | 181.0 | 162.0 | 147.0 | 134.0 | 125.0 | 117.0 | 109.0 | 81.0 | 65.6 | 55.1 | 47.7 | 37.3 | 30.8 | 26.5 | 23.1 | 20.5 | 18.5 | 16.8 | 14.2 | 7.20 |
| 2V200 | 371.9 | 288.3 | 237.4 | 208.0 | 187.7 | 167.3 | 153.7 | 142.4 | 131.1 | 122.1 | 113.0 | 103.5 | 75.6 | 63.0 | 51.9 | 46.1 | 36.4 | 31.5 | 26.7 | 23.7 | 21.8 | 19.4 | 18.2 | 15.8 | 8.53 |
| 4V230 | 414.0 | 340.0 | 296.0 | 263.0 | 231.0 | 207.0 | 189.0 | 173.0 | 160.0 | 148.0 | 139.0 | 131.0 | 96.4 | 78.2 | 66.3 | 57.7 | 46.0 | 38.6 | 33.7 | 30.0 | 27.0 | 24.5 | 22.5 | 18.9 | 9.80 |
| 2V275 | 495.3 | 380.0 | 311.5 | 274.1 | 246.1 | 224.3 | 205.6 | 196.2 | 180.7 | 168.2 | 155.8 | 142.6 | 104.1 | 86.8 | 71.4 | 63.6 | 50.1 | 43.4 | 36.9 | 32.6 | 30.1 | 26.7 | 25.1 | 21.7 | 11.7 |
| 2V310 | 572.0 | 466.0 | 403.0 | 356.0 | 312.0 | 278.0 | 253.0 | 233.0 | 214.0 | 199.0 | 186.0 | 175.0 | 129.0 | 104.0 | 88.4 | 76.9 | 61.3 | 51.5 | 44.9 | 40.0 | 36.1 | 32.7 | 30.0 | 25.2 | 13.1 |
| 2V320 | 634.0 | 510.0 | 422.0 | 358.0 | 311.0 | 279.0 | 257.0 | 238.0 | 223.0 | 209.2 | 199.5 | 189.0 | 142.7 | 118.0 | 98.9 | 86.1 | 68.2 | 56.3 | 49.5 | 44.0 | 37.8 | 33.5 | 30.7 | 26.2 | 13.4 |
| 2V400/2 | 719.0 | 551.7 | 452.2 | 397.9 | 357.2 | 325.6 | 298.4 | 284.9 | 262.3 | 244.2 | 226.1 | 207.0 | 151.1 | 126.0 | 103.6 | 92.3 | 72.7 | 63.0 | 53.5 | 47.3 | 43.7 | 38.8 | 36.5 | 31.5 | 17.1 |
| 2V460/4 | 858.0 | 700.0 | 605.0 | 534.0 | 468.0 | 417.0 | 380.0 | 349.0 | 322.0 | 298.0 | 279.0 | 262.0 | 193.0 | 156.0 | 133.0 | 115.0 | 92.0 | 77.2 | 67.4 | 60.0 | 54.1 | 49.1 | 45.0 | 37.9 | 19.6 |
| 2V460/6 | 858.0 | 700.0 | 605.0 | 534.0 | 468.0 | 417.0 | 380.0 | 349.0 | 322.0 | 298.0 | 279.0 | 262.0 | 193.0 | 156.0 | 133.0 | 115.0 | 92.0 | 77.2 | 67.4 | 60.0 | 54.1 | 49.1 | 45.0 | 37.9 | 19.6 |
| 2V500/2 | 393.0 | 393.0 | 393.0 | 393.0 | 393.0 | 393.0 | 360.0 | 333.0 | 311.0 | 292.0 | 275.0 | 246.0 | 198.0 | 158.0 | 130.0 | 115.0 | 91.0 | 78.8 | 66.9 | 59.1 | 54.5 | 48.5 | 45.6 | 39.4 | 21.4 |
| 2V500/6 | 1028 | 848.0 | 719.0 | 615.0 | 537.0 | 478.0 | 434.0 | 396.0 | 368.0 | 345.0 | 323.0 | 300.0 | 225.6 | 182.0 | 154.6 | 134.0 | 106.5 | 88.1 | 75.2 | 66.0 | 58.9 | 53.3 | 48.6 | 40.9 | 21.1 |

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.60Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 394.3 | 250.0 | 193.8 | 163.4 | 136.8 | 118.6 | 102.8 | 92.5 | 84.5 | 77.1 | 71.1 | 67.1 | 48.4 | 38.2 | 31.7 | 27.0 | 21.0 | 17.7 | 14.9 | 12.9 | 11.4 | 10.4 | 9.41 | 8.00 | 4.18 |
| 12V55 | 475.0 | 312.6 | 242.3 | 204.3 | 171.0 | 148.2 | 127.3 | 114.6 | 104.7 | 95.6 | 88.1 | 83.2 | 60.6 | 48.3 | 40.1 | 34.2 | 26.8 | 22.1 | 18.6 | 16.2 | 14.3 | 12.8 | 11.8 | 9.91 | 5.18 |
| 12V70 | 560.5 | 379.5 | 292.1 | 239.9 | 204.3 | 174.8 | 154.1 | 138.8 | 126.7 | 115.7 | 106.7 | 100.7 | 73.4 | 58.5 | 48.5 | 41.4 | 32.4 | 26.8 | 22.6 | 19.6 | 17.3 | 15.5 | 14.2 | 12.0 | 6.27 |
| 12V95 | 679.6 | 488.0 | 375.8 | 308.3 | 263.0 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 569.0 | 406.0 | 318.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 569.0 | 406.0 | 318.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 725.0 | 576.5 | 465.7 | 387.0 | 334.4 | 288.9 | 256.6 | 231.3 | 211.5 | 192.4 | 178.1 | 165.9 | 125.2 | 100.6 | 83.9 | 72.9 | 57.9 | 48.0 | 40.8 | 35.8 | 31.7 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 869.0 | 649.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 869.0 | 649.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 1148 | 858.0 | 682.0 | 569.0 | 483.0 | 418.0 | 369.0 | 336.0 | 306.0 | 279.0 | 261.0 | 245.0 | 176.0 | 141.5 | 118.6 | 102.3 | 79.6 | 65.5 | 56.3 | 50.1 | 44.5 | 40.0 | 36.2 | 30.4 | 15.3 |
| 2V200 | 1123 | 824.9 | 652.8 | 538.1 | 470.3 | 419.4 | 374.2 | 339.1 | 312.0 | 290.0 | 266.0 | 244.0 | 171.0 | 141.0 | 115.0 | 100.0 | 78.0 | 67.0 | 55.0 | 49.0 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 900.0 | 900.0 | 743.0 | 620.0 | 532.0 | 465.0 | 414.0 | 373.0 | 340.0 | 312.0 | 288.0 | 268.0 | 195.0 | 158.0 | 133.0 | 115.0 | 92.4 | 77.1 | 67.3 | 59.9 | 54.2 | 49.3 | 45.1 | 38.1 | 19.8 |
| 2V275 | 1466 | 1072 | 849.6 | 713.3 | 631.6 | 566.9 | 510.1 | 467.3 | 429.9 | 399.0 | 366.0 | 336.0 | 236.0 | 194.0 | 158.0 | 138.0 | 108.0 | 92.0 | 76.0 | 68.0 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1755 | 1305 | 1044 | 870.0 | 746.0 | 653.0 | 581.0 | 523.0 | 477.0 | 437.0 | 404.0 | 376.0 | 270.0 | 216.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1835 | 1366 | 1092 | 899.0 | 760.0 | 671.0 | 593.0 | 536.0 | 495.0 | 465.0 | 433.0 | 411.0 | 303.0 | 254.0 | 208.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1201 | 1201 | 1200 | 1035 | 916.8 | 823.0 | 740.5 | 678.3 | 624.0 | 580.0 | 532.0 | 487.0 | 342.0 | 282.0 | 229.0 | 200.0 | 157.0 | 134.0 | 111.0 | 99.0 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1800 | 1491 | 1243 | 1066 | 933.0 | 830.0 | 748.0 | 681.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2632 | 1958 | 1566 | 1305 | 1119 | 979.0 | 872.0 | 785.0 | 715.0 | 656.0 | 606.0 | 564.0 | 405.0 | 324.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 957.0 | 957.0 | 957.0 | 957.0 | 957.0 | 957.0 | 851.0 | 773.0 | 709.0 | 669.0 | 630.0 | 591.0 | 441.0 | 353.0 | 286.0 | 250.0 | 196.0 | 168.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.5 | 82.9 | 45.4 |
| 2V500/6 | 3105 | 2289 | 1801 | 1487 | 1255 | 1110 | 974.0 | 878.0 | 795.0 | 744.3 | 693.7 | 621.5 | 456.3 | 371.4 | 311.5 | 269.9 | 215.0 | 179.3 | 154.9 | 135.6 | 121.1 | 109.9 | 100.2 | 84.7 | 44.4 |

Constant Power (Watts per cell) to 1.63Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 394.3 | 250.0 | 193.8 | 163.4 | 136.8 | 118.6 | 102.8 | 92.5 | 84.5 | 77.1 | 71.1 | 67.1 | 48.4 | 38.2 | 31.7 | 27.0 | 21.0 | 17.7 | 14.9 | 12.9 | 11.4 | 10.4 | 9.41 | 8.00 | 4.18 |
| 12V55 | 475.0 | 312.6 | 242.3 | 204.3 | 171.0 | 148.2 | 127.3 | 114.6 | 104.7 | 95.6 | 88.1 | 83.2 | 60.6 | 48.3 | 40.1 | 34.2 | 26.8 | 22.1 | 18.6 | 16.2 | 14.3 | 12.8 | 11.8 | 9.91 | 5.18 |
| 12V70 | 560.5 | 379.5 | 292.1 | 239.9 | 204.3 | 174.8 | 154.1 | 138.8 | 126.7 | 115.7 | 106.7 | 100.7 | 73.4 | 58.5 | 48.5 | 41.4 | 32.4 | 26.8 | 22.6 | 19.6 | 17.3 | 15.5 | 14.2 | 12.0 | 6.27 |
| 12V95 | 679.6 | 485.4 | 375.8 | 308.3 | 263.0 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 569.0 | 406.0 | 318.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 569.0 | 406.0 | 318.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 725.0 | 576.5 | 465.7 | 387.0 | 334.4 | 288.9 | 256.6 | 231.3 | 211.5 | 192.4 | 178.1 | 165.9 | 125.2 | 100.6 | 83.9 | 72.9 | 57.9 | 48.0 | 40.8 | 35.8 | 31.7 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 869.0 | 649.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 869.0 | 649.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 1105 | 846.0 | 673.0 | 563.0 | 482.0 | 417.0 | 367.0 | 335.0 | 305.0 | 279.0 | 261.0 | 245.0 | 176.0 | 141.1 | 118.2 | 101.9 | 79.2 | 65.3 | 56.1 | 49.9 | 44.4 | 39.9 | 36.1 | 30.3 | 15.3 |
| 2V200 | 1123 | 824.9 | 652.8 | 538.1 | 470.3 | 419.4 | 374.2 | 339.1 | 312.0 | 290.0 | 266.0 | 244.0 | 171.0 | 141.0 | 115.0 | 100.0 | 78.0 | 67.0 | 55.0 | 49.0 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 900.0 | 900.0 | 743.0 | 620.0 | 532.0 | 465.0 | 414.0 | 373.0 | 340.0 | 312.0 | 288.0 | 268.0 | 195.0 | 158.0 | 133.0 | 115.0 | 92.4 | 77.1 | 67.3 | 59.9 | 54.2 | 49.3 | 45.1 | 38.1 | 19.8 |
| 2V275 | 1466 | 1072 | 849.6 | 713.3 | 631.6 | 566.9 | 510.1 | 467.3 | 429.9 | 399.0 | 366.0 | 336.0 | 236.0 | 194.0 | 158.0 | 138.0 | 108.0 | 92.0 | 76.0 | 68.0 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1755 | 1305 | 1044 | 870.0 | 746.0 | 653.0 | 581.0 | 523.0 | 477.0 | 437.0 | 404.0 | 376.0 | 270.0 | 216.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1768 | 1328 | 1071 | 886.0 | 748.0 | 663.0 | 593.0 | 539.0 | 495.0 | 465.0 | 433.0 | 411.0 | 303.0 | 254.0 | 208.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1201 | 1201 | 1200 | 1035 | 916.8 | 823.0 | 740.5 | 678.3 | 624.0 | 580.0 | 532.0 | 487.0 | 342.0 | 282.0 | 229.0 | 200.0 | 157.0 | 134.0 | 111.0 | 99.0 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1800 | 1491 | 1243 | 1066 | 933.0 | 830.0 | 748.0 | 681.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2632 | 1958 | 1566 | 1305 | 1119 | 979.0 | 872.0 | 785.0 | 715.0 | 656.0 | 606.0 | 564.0 | 405.0 | 324.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 957.0 | 957.0 | 957.0 | 957.0 | 957.0 | 957.0 | 851.0 | 773.0 | 709.0 | 669.0 | 630.0 | 591.0 | 441.0 | 353.0 | 286.0 | 250.0 | 196.0 | 168.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.5 | 82.9 | 45.4 |
| 2V500/6 | 3105 | 2289 | 1801 | 1487 | 1255 | 1110 | 974.0 | 878.0 | 795.0 | 744.3 | 693.7 | 621.5 | 456.3 | 371.4 | 311.5 | 269.9 | 215.0 | 179.3 | 154.9 | 135.6 | 121.1 | 109.9 | 100.2 | 84.7 | 44.4 |

Constant Power (Watts per cell) to 1.65Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 384.8 | 243.2 | 191.5 | 161.1 | 134.5 | 115.5 | 102.8 | 92.5 | 84.5 | 77.1 | 71.1 | 67.1 | 48.4 | 38.2 | 31.7 | 27.0 | 21.0 | 17.7 | 14.9 | 12.9 | 11.4 | 10.4 | 9.41 | 8.00 | 4.18 |
| 12V55 | 465.5 | 304.0 | 239.4 | 201.4 | 168.2 | 144.4 | 127.3 | 114.6 | 104.7 | 95.6 | 88.1 | 83.2 | 60.6 | 48.3 | 40.1 | 34.2 | 26.8 | 22.1 | 18.6 | 16.2 | 14.3 | 12.8 | 11.8 | 9.91 | 5.18 |
| 12V70 | 543.9 | 370.5 | 289.8 | 236.1 | 201.9 | 172.0 | 154.1 | 138.8 | 126.7 | 115.7 | 106.7 | 100.7 | 73.4 | 58.5 | 48.5 | 41.4 | 32.4 | 26.8 | 22.6 | 19.6 | 17.3 | 15.5 | 14.2 | 12.0 | 6.27 |
| 12V95 | 673.4 | 483.1 | 375.8 | 308.3 | 263.0 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 557.0 | 401.0 | 318.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | | | | | | | | | | | | | | | |

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.67Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 370.7 | 239.2 | 190.9 | 160.2 | 133.6 | 114.9 | 101.6 | 91.8 | 83.6 | 76.7 | 70.8 | 66.5 | 47.9 | 38.0 | 31.5 | 26.9 | 20.9 | 17.5 | 14.8 | 12.9 | 11.4 | 10.3 | 9.37 | 7.97 | 4.17 |
| 12V55 | 454.1 | 299.1 | 238.6 | 200.3 | 167.0 | 143.6 | 125.9 | 113.7 | 103.6 | 95.1 | 87.7 | 82.3 | 60.1 | 47.7 | 39.6 | 33.8 | 26.5 | 21.8 | 18.5 | 16.0 | 14.2 | 12.8 | 11.7 | 9.87 | 5.16 |
| 12V70 | 531.5 | 365.2 | 287.9 | 234.7 | 200.7 | 171.6 | 152.4 | 137.6 | 125.4 | 115.1 | 106.2 | 99.7 | 73.0 | 58.0 | 48.1 | 41.1 | 32.2 | 26.5 | 22.5 | 19.5 | 17.2 | 15.5 | 14.1 | 12.0 | 6.25 |
| 12V95 | 663.2 | 480.1 | 374.9 | 308.3 | 263.0 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 546.0 | 396.0 | 316.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 546.0 | 396.0 | 316.0 | 265.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 699.8 | 551.4 | 448.7 | 377.7 | 325.1 | 284.4 | 253.1 | 227.8 | 209.9 | 193.2 | 178.0 | 166.6 | 125.2 | 100.6 | 83.9 | 72.9 | 57.9 | 48.0 | 40.8 | 35.8 | 31.8 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 865.0 | 648.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 865.0 | 648.0 | 520.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 1041 | 828.0 | 660.0 | 552.0 | 474.0 | 413.0 | 363.0 | 332.0 | 303.0 | 280.0 | 260.0 | 243.0 | 175.0 | 140.4 | 117.8 | 101.5 | 78.8 | 64.9 | 55.7 | 49.5 | 44.2 | 39.7 | 35.9 | 30.3 | 15.3 |
| 2V200 | 1050 | 780.7 | 620.2 | 529.1 | 463.0 | 413.1 | 371.5 | 337.3 | 309.7 | 288.8 | 265.8 | 242.4 | 171.2 | 141.0 | 114.5 | 100.1 | 78.3 | 67.0 | 55.4 | 49.3 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 1000 | 1000 | 837.0 | 691.0 | 589.0 | 514.0 | 455.0 | 408.0 | 371.0 | 339.0 | 313.0 | 290.0 | 209.0 | 168.0 | 141.0 | 122.0 | 97.3 | 80.9 | 70.5 | 62.7 | 56.7 | 51.6 | 47.2 | 39.8 | 20.6 |
| 2V275 | 1346 | 1015 | 813.0 | 705.2 | 623.8 | 560.1 | 505.4 | 464.8 | 426.8 | 397.9 | 366.2 | 334.0 | 235.9 | 194.3 | 157.6 | 137.9 | 108.0 | 92.3 | 76.3 | 67.9 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1749 | 1305 | 1044 | 870.0 | 746.0 | 653.0 | 581.0 | 523.0 | 477.0 | 437.0 | 404.0 | 376.0 | 270.0 | 216.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1696 | 1282 | 1038 | 866.0 | 737.0 | 656.0 | 587.0 | 535.0 | 495.0 | 465.0 | 433.0 | 411.0 | 303.0 | 254.0 | 208.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1180 | 1180 | 1180 | 1023 | 905.5 | 813.0 | 733.7 | 674.7 | 619.5 | 577.5 | 531.6 | 484.9 | 342.4 | 282.0 | 229.0 | 200.1 | 156.9 | 134.0 | 110.7 | 98.6 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1800 | 1491 | 1243 | 1066 | 933.0 | 830.0 | 748.0 | 681.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2624 | 1958 | 1566 | 1305 | 1119 | 979.0 | 872.0 | 785.0 | 715.0 | 656.0 | 606.0 | 564.0 | 405.0 | 324.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 943.4 | 943.4 | 943.4 | 943.4 | 943.4 | 943.4 | 841.0 | 764.6 | 706.6 | 664.2 | 622.8 | 585.4 | 441.0 | 353.0 | 286.0 | 250.0 | 196.0 | 168.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.5 | 82.9 | 45.4 |
| 2V500/6 | 2938 | 2217 | 1759 | 1464 | 1250 | 1110 | 974.0 | 878.0 | 795.0 | 744.3 | 693.7 | 621.5 | 456.3 | 371.4 | 311.5 | 269.9 | 215.0 | 179.3 | 154.9 | 135.6 | 121.1 | 109.9 | 100.2 | 84.7 | 44.4 |

Constant Power (Watts per cell) to 1.69Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 356.6 | 235.3 | 190.3 | 159.3 | 132.7 | 114.3 | 100.5 | 91.0 | 82.7 | 76.3 | 70.4 | 65.8 | 47.5 | 37.8 | 31.4 | 26.8 | 20.8 | 17.3 | 14.7 | 12.8 | 11.3 | 10.3 | 9.34 | 7.94 | 4.15 |
| 12V55 | 442.7 | 294.1 | 237.9 | 199.1 | 165.9 | 142.9 | 124.5 | 112.8 | 102.5 | 94.6 | 87.2 | 81.5 | 59.5 | 47.1 | 39.1 | 33.3 | 26.2 | 21.5 | 18.4 | 15.9 | 14.1 | 12.7 | 11.6 | 9.84 | 5.15 |
| 12V70 | 519.2 | 359.9 | 286.0 | 233.4 | 199.6 | 171.2 | 150.7 | 136.5 | 124.1 | 114.5 | 105.6 | 98.7 | 72.7 | 57.5 | 47.7 | 40.7 | 31.9 | 26.2 | 22.4 | 19.4 | 17.2 | 15.4 | 14.0 | 11.9 | 6.23 |
| 12V95 | 651.6 | 476.1 | 373.2 | 308.1 | 263.0 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 531.0 | 391.0 | 314.0 | 264.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 531.0 | 391.0 | 314.0 | 264.0 | 226.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 685.3 | 540.7 | 441.5 | 372.1 | 320.2 | 281.1 | 250.8 | 225.6 | 207.4 | 192.3 | 176.6 | 166.1 | 125.2 | 100.6 | 83.9 | 72.9 | 57.9 | 48.0 | 40.8 | 35.7 | 31.7 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 853.0 | 643.0 | 518.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 853.0 | 643.0 | 518.0 | 434.0 | 372.0 | 326.0 | 290.0 | 261.0 | 238.0 | 218.0 | 202.0 | 188.0 | 135.0 | 108.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 1019 | 810.0 | 646.0 | 545.0 | 469.0 | 411.0 | 362.0 | 330.0 | 301.0 | 279.0 | 259.0 | 241.0 | 174.0 | 139.9 | 117.5 | 101.2 | 78.3 | 64.6 | 55.6 | 49.3 | 44.1 | 39.6 | 35.8 | 30.2 | 15.3 |
| 2V200 | 1027 | 763.8 | 608.4 | 520.0 | 455.8 | 406.7 | 368.8 | 335.5 | 307.5 | 287.7 | 265.7 | 241.3 | 171.2 | 141.0 | 114.5 | 100.1 | 78.3 | 67.0 | 55.4 | 49.3 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 900.0 | 900.0 | 740.0 | 619.0 | 531.0 | 465.0 | 414.0 | 373.0 | 340.0 | 312.0 | 288.0 | 268.0 | 195.0 | 158.0 | 133.0 | 115.0 | 92.4 | 77.1 | 67.3 | 59.9 | 54.2 | 49.3 | 45.1 | 38.1 | 19.8 |
| 2V275 | 1320 | 996.5 | 799.0 | 697.1 | 616.0 | 553.2 | 500.7 | 462.3 | 423.6 | 396.4 | 366.1 | 332.5 | 235.9 | 194.3 | 157.6 | 137.9 | 108.0 | 92.3 | 76.3 | 67.9 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1739 | 1302 | 1044 | 870.0 | 746.0 | 653.0 | 581.0 | 523.0 | 477.0 | 437.0 | 404.0 | 376.0 | 270.0 | 216.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1660 | 1256 | 1022 | 854.7 | 731.7 | 649.3 | 581.0 | 532.3 | 495.0 | 465.0 | 433.0 | 411.0 | 303.0 | 254.0 | 208.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1160 | 1160 | 1159 | 1012 | 894.2 | 803.1 | 726.9 | 671.0 | 615.0 | 575.4 | 531.4 | 482.6 | 342.3 | 282.0 | 229.0 | 200.1 | 156.9 | 134.0 | 110.7 | 98.6 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1800 | 1491 | 1243 | 1066.0 | 933.0 | 830.0 | 748.0 | 681.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2609 | 1952 | 1566 | 1305 | 1119.0 | 979 | 872.0 | 785.0 | 715.0 | 656.0 | 606.0 | 564.0 | 405.0 | 324.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 929.8 | 929.8 | 929.8 | 929.8 | 929.8 | 929 | 831.0 | 756.2 | 704.2 | 659.4 | 615.6 | 579.8 | 441.0 | 353.0 | 286.0 | 250.0 | 196.0 | 168.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.4 | 82.9 | 45.4 |
| 2V500/6 | 2854 | 2156 | 1717 | 1440 | 1245.3 | 1110 | 974.0 | 878.0 | 795.0 | 744.3 | 693.7 | 621.5 | 456.3 | 371.4 | 311.5 | 269.9 | 215.0 | 179.3 | 154.9 | 135.6 | 121.1 | 109.9 | 100.2 | 84.7 | 44.4 |

Constant Power (Watts per cell) to 1.71Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 342.4 | 230.7 | 188.5 | 156.7 | 131.6 | 113.2 | 99.1 | 89.8 | 81.7 | 75.6 | 69.7 | 65.3 | 47.2 | 37.7 | 31.3 | 26.7 | 20.8 | 17.2 | 14.6 | 12.8 | 11.3 | 10.2 | 9.30 | 7.90 | 4.14 |
| 12V55 | 426.6 | 288.4 | 235.6 | 195.9 | 164.5 | 141.6 | 122.7 | 111.3 | 101.2 | 93.7 | 86.7 | 81.1 | 59.2 | 46.8 | 38.9 | 33.2 | 26.0 | 21.3 | 18.3 | 15.9 | 14.0 | 12.7 | 11.5 | 9.79 | 5.13 |
| 12V70 | 501.1 | 353.2 | 281.8 | 229.9 | 197.7 | 169.8 | 148.5 | 134.8 | 122.5 | 113.4 | 104.9 | 97.8 | 72.3 | 57.1 | 47.4 | 40.5 | 31.7 | 26.0 | 22.3 | 19.3 | 17.1 | 15.3 | 13.9 | 11.8 | 6.21 |
| 12V95 | 638.5 | 471.0 | 370.8 | 306.8 | 262.9 | 230.0 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 515.0 | 386.0 | 311.0 | 262.0 | 225.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141 | | | | | | | | | | | | | | | |

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.73Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 327.9 | 225.6 | 185.4 | 152.5 | 130.4 | 111.7 | 97.6 | 88.3 | 80.5 | 74.5 | 68.8 | 64.9 | 47.2 | 37.7 | 31.3 | 26.7 | 20.8 | 17.2 | 14.6 | 12.8 | 11.3 | 10.2 | 9.27 | 7.84 | 4.13 |
| 12V55 | 405.7 | 282.0 | 231.8 | 190.6 | 163.0 | 139.7 | 120.4 | 109.4 | 99.8 | 92.4 | 85.9 | 81.0 | 59.2 | 47.1 | 39.0 | 33.3 | 26.1 | 21.4 | 18.2 | 15.9 | 14.0 | 12.7 | 11.5 | 9.74 | 5.13 |
| 12V70 | 477.4 | 345.2 | 275.3 | 224.2 | 195.0 | 167.3 | 145.8 | 132.4 | 120.8 | 111.8 | 104.0 | 97.0 | 71.7 | 56.9 | 47.3 | 40.4 | 31.6 | 26.0 | 22.1 | 19.2 | 17.0 | 15.3 | 13.9 | 11.7 | 6.18 |
| 12V95 | 624.1 | 464.4 | 367.5 | 305.0 | 261.7 | 229.7 | 205.0 | 185.7 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 499.0 | 380.0 | 309.0 | 261.0 | 225.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 499.0 | 380.0 | 309.0 | 261.0 | 225.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 652.9 | 516.6 | 421.8 | 355.9 | 308.3 | 272.8 | 242.9 | 220.8 | 201.0 | 187.2 | 173.7 | 163.7 | 123.6 | 99.7 | 83.2 | 72.2 | 57.4 | 47.2 | 40.8 | 35.8 | 31.7 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 802.0 | 616.0 | 501.0 | 422.0 | 364.0 | 321.0 | 287.0 | 259.0 | 236.0 | 216.0 | 200.0 | 186.0 | 134.0 | 107.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 802.0 | 616.0 | 501.0 | 422.0 | 364.0 | 321.0 | 287.0 | 259.0 | 236.0 | 216.0 | 200.0 | 186.0 | 134.0 | 107.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 966.0 | 768.0 | 618.0 | 523.0 | 453.0 | 401.0 | 360.0 | 323.0 | 295.0 | 270.0 | 254.0 | 237.0 | 172.0 | 138.2 | 116.5 | 100.4 | 77.9 | 64.0 | 55.2 | 48.6 | 43.5 | 39.0 | 35.4 | 29.9 | 15.2 |
| 2V200 | 969.6 | 726.7 | 582.2 | 501.2 | 440.7 | 394.8 | 357.9 | 325.8 | 298.9 | 278.0 | 257.8 | 235.9 | 166.3 | 136.4 | 112.4 | 97.8 | 77.1 | 65.8 | 55.4 | 49.3 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 900.0 | 888.0 | 722.0 | 608.0 | 526.0 | 463.0 | 413.0 | 373.0 | 340.0 | 312.0 | 288.0 | 268.0 | 195.0 | 158.0 | 133.0 | 115.0 | 92.4 | 77.1 | 67.3 | 59.9 | 54.2 | 49.3 | 45.1 | 38.1 | 19.8 |
| 2V275 | 1238 | 936.8 | 756.5 | 660.4 | 588.7 | 531.1 | 483.0 | 448.9 | 411.8 | 383.1 | 355.2 | 325.0 | 229.2 | 187.9 | 154.8 | 134.8 | 106.4 | 90.6 | 76.3 | 67.9 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1649 | 1251 | 1012 | 850.0 | 733.0 | 644.0 | 575.0 | 518.0 | 472.0 | 433.0 | 400.0 | 372.0 | 268.0 | 215.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1563 | 1193 | 981.0 | 823.8 | 711.0 | 634.0 | 569.0 | 523.2 | 490.8 | 459.0 | 433.0 | 411.0 | 303.0 | 254.6 | 204.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1246 | 1246 | 1098 | 958.6 | 854.6 | 771.0 | 701.1 | 651.6 | 597.8 | 556.1 | 515.6 | 471.8 | 332.8 | 272.8 | 224.8 | 195.7 | 154.4 | 131.5 | 110.7 | 98.6 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1800 | 1459 | 1226 | 1057 | 929.0 | 829.0 | 748.0 | 681.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2474 | 1877 | 1518 | 1275 | 1099 | 967.0 | 862.0 | 778.0 | 708.0 | 650.0 | 601.0 | 558.0 | 402.0 | 322.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 896.6 | 896.6 | 896.6 | 896.6 | 896.6 | 896.6 | 804.4 | 735.8 | 692.2 | 646.8 | 607.2 | 572.2 | 438.6 | 341.6 | 281.2 | 244.6 | 193.0 | 165.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.4 | 82.9 | 45.4 |
| 2V500/6 | 2672 | 2056 | 1654 | 1387 | 1201 | 1064 | 947.0 | 852.8 | 780.6 | 732.5 | 684.5 | 616.9 | 456.0 | 371.3 | 311.4 | 269.9 | 214.5 | 179.3 | 154.2 | 135.6 | 121.0 | 109.8 | 100.2 | 84.6 | 44.4 |

Constant Power (Watts per cell) to 1.75Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 313.5 | 220.4 | 182.4 | 148.2 | 129.2 | 110.2 | 96.1 | 86.7 | 79.3 | 73.5 | 67.8 | 64.6 | 47.2 | 37.7 | 31.3 | 26.7 | 20.9 | 17.2 | 14.6 | 12.8 | 11.3 | 10.2 | 9.23 | 7.79 | 4.12 |
| 12V55 | 384.8 | 275.5 | 228.0 | 185.3 | 161.5 | 137.8 | 118.2 | 107.4 | 98.3 | 91.1 | 85.2 | 81.0 | 59.2 | 47.3 | 39.2 | 33.5 | 26.1 | 21.5 | 18.2 | 15.9 | 14.0 | 12.7 | 11.5 | 9.69 | 5.12 |
| 12V70 | 453.6 | 337.3 | 268.9 | 218.5 | 192.4 | 164.8 | 143.1 | 130.1 | 119.0 | 110.2 | 103.1 | 96.2 | 71.1 | 56.6 | 47.1 | 40.2 | 31.4 | 25.9 | 21.9 | 19.1 | 16.9 | 15.2 | 13.8 | 11.6 | 6.15 |
| 12V95 | 608.2 | 456.4 | 363.1 | 302.4 | 260.1 | 228.4 | 204.3 | 185.4 | 169.8 | 156.3 | 144.9 | 135.0 | 97.2 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 484.0 | 373.0 | 305.0 | 259.0 | 224.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V105 | 484.0 | 373.0 | 305.0 | 259.0 | 224.0 | 198.0 | 179.0 | 164.0 | 152.0 | 141.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | 8.90 |
| 6V130 | 636.1 | 504.0 | 411.1 | 347.0 | 302.0 | 268.3 | 238.4 | 218.3 | 197.5 | 184.2 | 172.2 | 162.2 | 122.5 | 99.1 | 82.6 | 71.8 | 57.1 | 46.7 | 40.8 | 35.8 | 31.7 | 28.8 | 26.2 | 22.1 | 11.8 |
| 4V155 | 759.0 | 591.0 | 485.0 | 411.0 | 356.0 | 315.0 | 282.0 | 256.0 | 234.0 | 215.0 | 199.0 | 185.0 | 133.0 | 107.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V155 | 759.0 | 591.0 | 485.0 | 411.0 | 356.0 | 315.0 | 282.0 | 256.0 | 234.0 | 215.0 | 199.0 | 185.0 | 133.0 | 107.0 | 88.7 | 76.9 | 61.6 | 51.4 | 44.8 | 39.9 | 36.1 | 32.9 | 30.1 | 25.4 | 13.2 |
| 6V170 | 920.0 | 747.0 | 598.0 | 511.0 | 445.0 | 396.0 | 358.0 | 320.0 | 291.0 | 268.0 | 251.0 | 234.0 | 170.0 | 137.3 | 115.7 | 99.7 | 77.5 | 63.8 | 54.9 | 48.3 | 43.1 | 38.7 | 35.1 | 29.6 | 15.1 |
| 2V200 | 938.3 | 707.7 | 568.6 | 491.8 | 433.0 | 388.9 | 351.6 | 319.9 | 293.9 | 272.0 | 252.6 | 232.7 | 163.0 | 133.4 | 111.1 | 96.4 | 76.3 | 64.9 | 55.4 | 49.3 | 45.5 | 40.7 | 38.6 | 32.8 | 17.9 |
| 4V230 | 900.0 | 858.0 | 704.0 | 596.0 | 517.0 | 457.0 | 410.0 | 371.0 | 339.0 | 312.0 | 288.0 | 268.0 | 195.0 | 158.0 | 133.0 | 115.0 | 92.4 | 77.1 | 67.3 | 59.9 | 54.2 | 49.3 | 45.1 | 38.1 | 19.8 |
| 2V275 | 1191 | 903.4 | 732.8 | 638.6 | 573.2 | 518.7 | 472.7 | 440.8 | 405.0 | 374.7 | 348.0 | 320.5 | 224.8 | 183.7 | 152.9 | 132.8 | 105.3 | 89.5 | 76.3 | 67.9 | 62.7 | 56.0 | 53.1 | 45.1 | 24.7 |
| 2V310 | 1582 | 1212 | 985.0 | 831.0 | 719.0 | 634.0 | 567.0 | 513.0 | 468.0 | 430.0 | 398.0 | 370.0 | 267.0 | 214.0 | 177.0 | 154.0 | 123.0 | 103.0 | 89.7 | 79.8 | 72.3 | 65.7 | 60.2 | 50.8 | 26.5 |
| 2V320 | 1510 | 1160 | 959.0 | 807.0 | 699.0 | 626.0 | 563.0 | 518.0 | 488.0 | 462.0 | 433.0 | 411.0 | 303.0 | 255.0 | 203.0 | 180.0 | 144.0 | 119.0 | 104.6 | 92.0 | 79.6 | 71.4 | 65.2 | 53.6 | 28.4 |
| 2V400/2 | 1311 | 1311 | 1063 | 927.0 | 832.0 | 752.9 | 686.2 | 639.8 | 587.8 | 543.9 | 505.2 | 465.3 | 326.4 | 266.7 | 221.9 | 192.7 | 152.8 | 129.9 | 110.7 | 98.6 | 91.0 | 81.3 | 77.2 | 66.4 | 36.3 |
| 2V460/4 | 1800 | 1760 | 1430 | 1206 | 1044 | 920.0 | 823.0 | 745.0 | 680.0 | 625.0 | 578.0 | 537.0 | 390.0 | 316.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V460/6 | 2373 | 1818 | 1478 | 1246 | 1079 | 950.0 | 851.0 | 770.0 | 702.0 | 646.0 | 597.0 | 555.0 | 400.0 | 321.0 | 266.0 | 231.0 | 185.0 | 154.0 | 135.0 | 120.0 | 108.0 | 98.6 | 90.3 | 76.2 | 39.7 |
| 2V500/2 | 879.0 | 879.0 | 879.0 | 879.0 | 879.0 | 879.0 | 790.0 | 725.0 | 685.0 | 640.0 | 604.0 | 569.0 | 437.0 | 334.0 | 278.0 | 241.0 | 191.0 | 163.0 | 139.0 | 124.0 | 113.6 | 101.6 | 96.4 | 82.9 | 45.4 |
| 2V500/6 | 2580 | 2010 | 1627 | 1359 | 1173 | 1034 | 929.0 | 836.0 | 771.0 | 724.7 | 678.3 | 614.4 | 456.0 | 371.3 | 311.4 | 269.8 | 214.5 | 179.3 | 154.2 | 135.6 | 121.0 | 109.8 | 100.2 | 84.6 | 44.4 |

Constant Power (Watts per cell) to 1.80Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 273.6 | 201.4 | 167.2 | 140.6 | 119.3 | 104.9 | 90.4 | 81.1 | 74.3 | 69.0 | 64.7 | 61.3 | 44.8 | 35.7 | 29.5 | 25.4 | 19.7 | 16.0 | 13.8 | 12.0 | 10.6 | 9.59 | 8.73 | 7.39 | 3.89 |
| 12V55 | 342.0 | 251.8 | 209.0 | 175.8 | 149.2 | 131.1 | 112.0 | 100.4 | 92.1 | 85.5 | 80.1 | 76.4 | 55.8 | 44.5 | 36.8 | 31.6 | 24.5 | 19.9 | 17.1 | 14.9 | 13.2 | 11.9 | 10.8 | 9.11 | 4.80 |
| 12V70 | 399.0 | 301.6 | 244.6 | 205.2 | 178.6 | 154.9 | 135.5 | 121.6 | 111.5 | 103.5 | 97.0 | 91.4 | 67.0 | 54.0 | 44.6 | 38.2 | 29.8 | 24.2 | 20.7 | 18.0 | 15.9 | 14.4 | 13.0 | 11.0 | 5.77 |
| 12V95 | 562.1 | 428.7 | 346.2 | 291.0 | 251.9 | 222.0 | 199.6 | 181.4 | 166.3 | 153.5 | 142.6 | 133.2 | 96.7 | 76.7 | 63.6 | 54.5 | 42.6 | 35.0 | 29.8 | 26.0 | 23.1 | 20.8 | 18.9 | 16.1 | 8.50 |
| 4V105 | 443.0 | 353.0 | 293.0 | 251.0 | 219.0 | 194.0 | 178.0 | 164.0 | 151.0 | 140.0 | 130.0 | 121.0 | 88.0 | 70.9 | 59.6 | 51.4 | 41.3 | 34.5 | 30.0 | 26.7 | 24.2 | 22.0 | 20.2 | 17.1 | |

Constant Power Discharge Performance Data



Constant Power (Watts per cell) to 1.85Vpc at 20°C

| Battery Type | Standby Time (Minutes) | | | | | | | | | | Standby Time (Hours) | | | | | | | | | | | | | | |
|--------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 24 |
| 12V45 | 235.6 | 173.3 | 144.4 | 126.2 | 104.9 | 95.0 | 80.6 | 72.5 | 67.3 | 62.2 | 58.5 | 55.0 | 40.7 | 31.2 | 27.0 | 23.1 | 18.2 | 14.9 | 12.7 | 11.1 | 10.0 | 8.96 | 8.17 | 6.94 | 3.73 |
| 12V55 | 294.5 | 216.6 | 180.5 | 157.7 | 131.1 | 118.8 | 94.4 | 85.8 | 79.2 | 72.6 | 69.6 | 68.1 | 50.4 | 37.9 | 33.4 | 28.6 | 22.6 | 18.6 | 15.9 | 13.9 | 12.5 | 11.2 | 10.2 | 8.65 | 4.65 |
| 12V70 | 344.4 | 260.3 | 212.8 | 183.4 | 158.2 | 140.1 | 118.6 | 107.8 | 96.7 | 92.5 | 87.0 | 81.8 | 62.6 | 47.0 | 40.1 | 34.4 | 27.2 | 22.3 | 19.1 | 16.7 | 14.9 | 13.4 | 12.2 | 10.3 | 5.55 |
| 12V95 | 506.5 | 389.1 | 318.4 | 270.5 | 235.4 | 209.3 | 188.7 | 171.9 | 157.9 | 146.0 | 135.8 | 127.1 | 92.8 | 73.8 | 61.7 | 53.0 | 41.8 | 34.5 | 29.5 | 25.8 | 22.9 | 20.7 | 18.8 | 16.0 | 8.50 |
| 4V105 | 395.0 | 324.0 | 271.0 | 235.0 | 206.0 | 183.0 | 169.0 | 157.0 | 144.0 | 134.0 | 125.0 | 117.0 | 86.8 | 70.4 | 58.9 | 50.6 | 40.6 | 34.1 | 29.7 | 26.6 | 23.9 | 21.8 | 20.0 | 16.9 | 8.80 |
| 6V105 | 395.0 | 324.0 | 271.0 | 235.0 | 206.0 | 183.0 | 169.0 | 157.0 | 144.0 | 134.0 | 125.0 | 117.0 | 86.8 | 70.4 | 58.9 | 50.6 | 40.6 | 34.1 | 29.7 | 26.6 | 23.9 | 21.8 | 20.0 | 16.9 | 8.80 |
| 6V130 | 511.4 | 408.3 | 341.7 | 293.4 | 256.6 | 227.8 | 204.9 | 188.5 | 174.9 | 162.8 | 151.0 | 145.5 | 111.0 | 90.0 | 76.5 | 66.1 | 52.5 | 43.9 | 37.7 | 33.3 | 29.6 | 26.9 | 24.6 | 21.0 | 11.2 |
| 4V155 | 515.0 | 427.0 | 374.0 | 333.0 | 294.0 | 263.0 | 241.0 | 222.0 | 206.0 | 191.0 | 179.0 | 169.0 | 125.0 | 102.0 | 87.0 | 75.9 | 60.7 | 51.0 | 44.6 | 39.8 | 35.8 | 32.5 | 29.8 | 25.2 | 13.1 |
| 6V155 | 515.0 | 427.0 | 374.0 | 333.0 | 294.0 | 263.0 | 241.0 | 222.0 | 206.0 | 191.0 | 179.0 | 169.0 | 125.0 | 102.0 | 87.0 | 75.9 | 60.7 | 51.0 | 44.6 | 39.8 | 35.8 | 32.5 | 29.8 | 25.2 | 13.1 |
| 6V170 | 645.0 | 542.0 | 457.0 | 408.0 | 371.0 | 342.0 | 307.0 | 281.0 | 258.0 | 241.0 | 226.0 | 211.0 | 157.0 | 126.9 | 107.2 | 93.1 | 72.9 | 60.5 | 52.1 | 45.5 | 40.5 | 36.5 | 33.2 | 28.0 | 14.2 |
| 2V200 | 687.9 | 536.0 | 444.3 | 390.0 | 352.7 | 316.5 | 290.5 | 269.0 | 247.6 | 230.6 | 213.7 | 195.8 | 144.8 | 122.2 | 100.8 | 89.9 | 70.9 | 61.4 | 52.2 | 46.2 | 42.6 | 37.9 | 35.5 | 30.7 | 16.6 |
| 4V230 | 772.0 | 640.0 | 560.0 | 500.0 | 441.0 | 395.0 | 362.0 | 334.0 | 308.0 | 287.0 | 269.0 | 253.0 | 188.0 | 153.0 | 130.0 | 114.0 | 91.0 | 76.6 | 66.9 | 59.6 | 53.8 | 48.8 | 44.8 | 37.8 | 19.7 |
| 2V275 | 916.1 | 710.5 | 582.5 | 515.5 | 462.6 | 423.6 | 388.6 | 370.7 | 341.1 | 317.7 | 294.4 | 269.7 | 199.4 | 168.3 | 138.8 | 123.8 | 97.7 | 84.6 | 71.9 | 63.6 | 58.6 | 52.2 | 49.0 | 42.3 | 22.9 |
| 2V310 | 1069 | 878.0 | 763.0 | 677.0 | 596.0 | 532.0 | 486.0 | 448.0 | 414.0 | 384.0 | 360.0 | 339.0 | 251.0 | 205.0 | 174.0 | 152.0 | 121.0 | 102.0 | 89.3 | 79.5 | 71.7 | 65.1 | 59.7 | 50.4 | 26.2 |
| 2V320 | 1192 | 969.0 | 810.0 | 687.0 | 600.0 | 541.0 | 501.0 | 464.0 | 435.0 | 408.0 | 386.0 | 370.0 | 286.0 | 232.0 | 192.0 | 170.0 | 134.0 | 111.0 | 98.6 | 87.8 | 75.2 | 67.0 | 61.4 | 51.5 | 26.8 |
| 2V400/2 | 1329 | 1031 | 845.6 | 748.4 | 671.5 | 615.0 | 564.1 | 538.1 | 495.1 | 461.2 | 427.3 | 391.5 | 289.4 | 244.4 | 201.5 | 179.8 | 141.8 | 122.9 | 104.3 | 92.3 | 85.1 | 75.7 | 71.1 | 61.4 | 33.3 |
| 2V460/4 | 1603 | 1318 | 1144 | 1015 | 893.0 | 798.0 | 729.0 | 672.0 | 621.0 | 577.0 | 541.0 | 509.0 | 377.0 | 307.0 | 261.0 | 228.0 | 182.0 | 153.0 | 134.0 | 119.0 | 108.0 | 97.6 | 89.5 | 75.6 | 39.3 |
| 2V460/6 | 1603 | 1318 | 1144 | 1015 | 893.0 | 798.0 | 729.0 | 672.0 | 621.0 | 577.0 | 541.0 | 509.0 | 377.0 | 307.0 | 261.0 | 228.0 | 182.0 | 153.0 | 134.0 | 119.0 | 108.0 | 97.6 | 89.5 | 75.6 | 39.3 |
| 2V500/2 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 728.0 | 679.0 | 628.0 | 586.0 | 532.5 | 495.6 | 466.0 | 380.0 | 305.0 | 251.0 | 225.0 | 178.0 | 154.0 | 130.0 | 115.0 | 106.4 | 94.6 | 88.9 | 76.8 | 41.6 |
| 2V500/6 | 1936 | 1627 | 1371 | 1180 | 1034 | 929.0 | 836.0 | 762.0 | 704.0 | 656.3 | 608.7 | 572.0 | 433.5 | 351.4 | 299.6 | 260.2 | 207.5 | 172.0 | 147.1 | 129.2 | 115.4 | 104.5 | 94.3 | 79.5 | 41.1 |



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