



# VERTIV™

维谛技术

H 系列蓄电池

2V200~3000Ah

阀控式铅酸胶体蓄电池



# H系列（高性能长寿命工业型）管式胶体蓄电池简介

H系列2V阀控式铅酸胶体蓄电池，正极板采用由多元合金压铸成的管式极板，负极板栅采用放射状结构耐蚀多元合金极板，电解质材料采用气相二氧化硅制作的胶体电解液，其准富液量设计、气体再化合设计、极板固化工艺、化成工艺保证了蓄电池具有优异的抗深放电性能、欠充电循环性能和更好的安全性与可靠性，非常适合工业现场应用的要求。

## 产品技术特点

### 长寿命

正极板采用由多元合金压铸成的管式极板，抗腐蚀性能强，同时有效的防止活性物质的脱落；负极板栅采用放射状结构耐蚀多元合金极板，具有较强耐腐蚀性、抗蠕变性；电解质材料采用气相二氧化硅制作，胶体电解液降低了对板栅的腐蚀；气体再化合技术、极板固化工艺、化成工艺保证了电池的20年浮充设计寿命。

### 更宽的工作温度区间

电池内部采用过量电解质设计，可在环境温度为-20℃～50℃的工作场所使用；即使在高温及过充情况下仍能可靠工作，电池不会“干涸”。

### 优异的抗深放电性能

电池深放电后再充电的恢复能力强，100%放电后仍可继续接在负载上，放置4周时间再充电，仍可恢复原容量。

### 优异的欠充电循环性能

电池内部采用过量电解质设计，凝胶电解质在长期欠充电状态下，电池也不会“干涸”，不会因为欠充电而损坏，有很好的欠充电循环能力。

### 安置方式

2V电池正常采用立放方式安装使用，需要卧放安装时可提供沿极板平行于地面方向的电池横置方案。

### 更好的安全性与可靠性

凝胶电解质采用气相二氧化硅配制，电解质在成品电池中呈现凝胶状态、不流动，无漏液及分层现象；电池采用准富液量设计，在高温及过充电的情况下，不易出现干涸现象，不会产生热失控现象。

### 适合工业现场应用

电池整体循环寿命高（50%深度放电循环3000次）、耐过放电、可以长期不充足电又进行放电，适合工业现场的典型应用。

|          |                            |            |
|----------|----------------------------|------------|
| 类型       | 标称电压                       | 容量         |
| 阀控密封铅酸电池 | 2V                         | 200~3000Ah |
| 技术       | 执行标准                       | 设计寿命       |
| 管式胶体免维护  | IEC60896-21/22<br>DIN40742 | 20年        |

## 应用

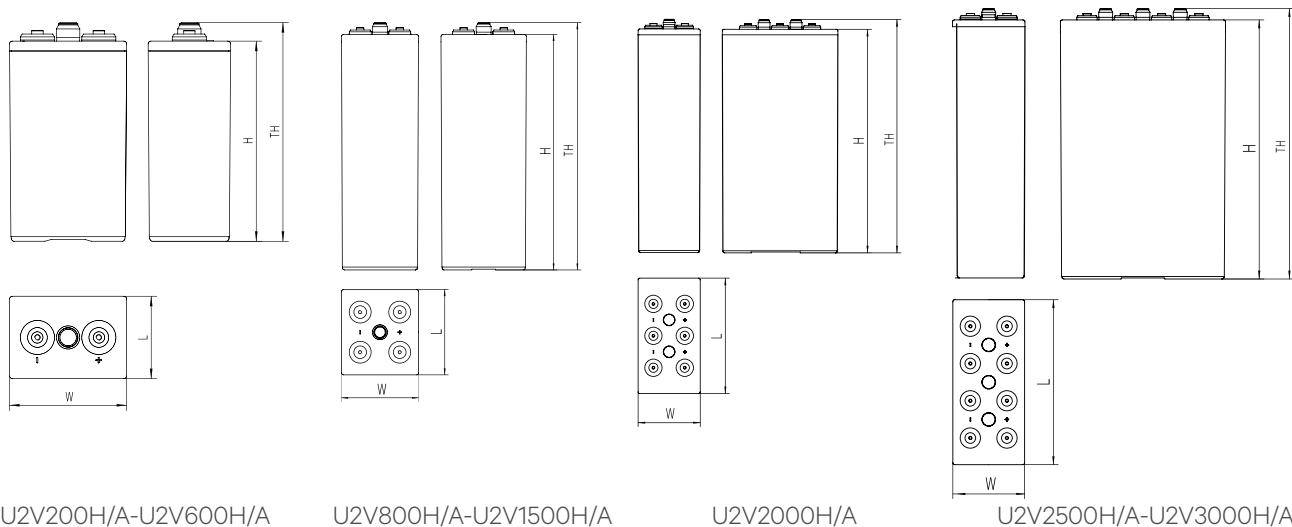
电力、石化行业备用电源  
铁路、机场等各种应急系统备用电源  
太阳能、风能、光伏发电储能  
船舶、海事系统等备用电源



## 产品型号与尺寸

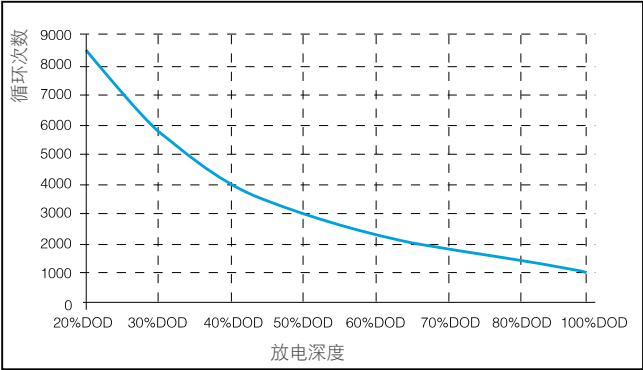
| 型号/参数      | 标称电压(V) | 标称容量(Ah) | C <sub>10</sub> (Ah)@25℃<br>(1.80V/C) | 外形尺寸(mm) |      |      |        | 重量(kg) | 极柱(mm)  | 扭矩(N.m) |
|------------|---------|----------|---------------------------------------|----------|------|------|--------|--------|---------|---------|
|            |         |          |                                       | 长(L)     | 宽(W) | 高(H) | 总高(TH) |        |         |         |
| U2V200H/A  | 2       | 200      | 210                                   | 103      | 206  | 353  | 385    | 18.0   | 2 X M10 | 16-22   |
| U2V250H/A  | 2       | 250      | 263                                   | 124      | 206  | 353  | 385    | 22.0   | 2 X M10 | 16-22   |
| U2V300H/A  | 2       | 300      | 315                                   | 145      | 206  | 353  | 385    | 25.5   | 2 X M10 | 16-22   |
| U2V350H/A  | 2       | 350      | 368                                   | 124      | 206  | 471  | 504    | 28.0   | 2 X M10 | 16-22   |
| U2V420H/A  | 2       | 420      | 441                                   | 145      | 206  | 471  | 504    | 33.5   | 2 X M10 | 16-22   |
| U2V500H/A  | 2       | 500      | 525                                   | 166      | 206  | 471  | 504    | 38.0   | 2 X M10 | 16-22   |
| U2V600H/A  | 2       | 600      | 630                                   | 145      | 206  | 646  | 679    | 46.5   | 2 X M10 | 16-22   |
| U2V800H/A  | 2       | 800      | 840                                   | 191      | 210  | 646  | 679    | 62.0   | 4 X M10 | 16-22   |
| U2V1000H/A | 2       | 1000     | 1050                                  | 233      | 210  | 646  | 679    | 77.0   | 4 X M10 | 16-22   |
| U2V1200H/A | 2       | 1200     | 1260                                  | 275      | 210  | 646  | 679    | 91.5   | 4 X M10 | 16-22   |
| U2V1500H/A | 2       | 1500     | 1575                                  | 340      | 210  | 646  | 679    | 112.5  | 4 X M10 | 16-22   |
| U2V2000H/A | 2       | 2000     | 2100                                  | 399      | 212  | 772  | 804    | 153.0  | 6 X M10 | 16-22   |
| U2V2500H/A | 2       | 2500     | 2625                                  | 487      | 212  | 772  | 804    | 187.0  | 8 X M10 | 16-22   |
| U2V3000H/A | 2       | 3000     | 3150                                  | 576      | 212  | 772  | 804    | 222.0  | 8 X M10 | 16-22   |

## 电池外形图

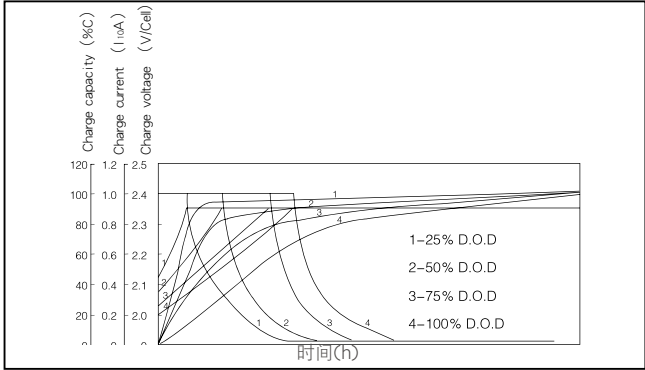


# 性能曲线

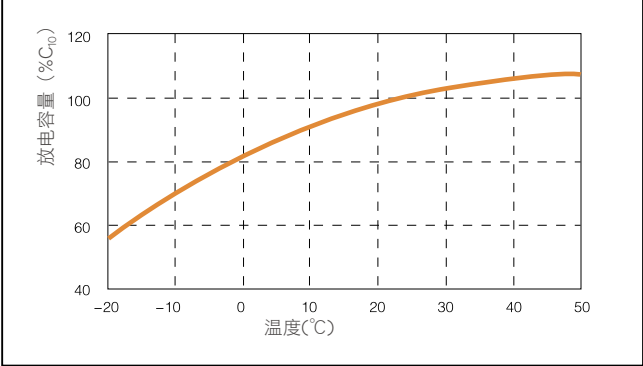
不同放电深度下的循环曲线



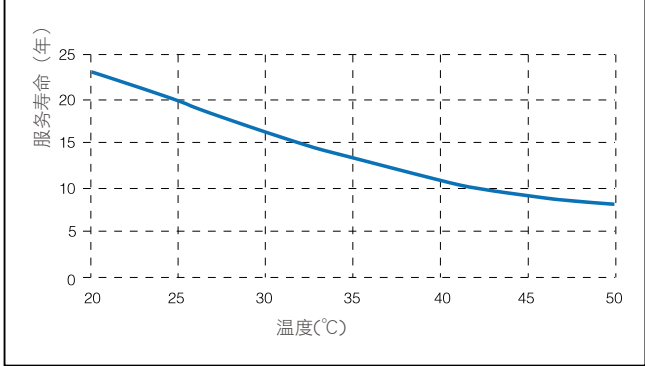
不同放电深度下的充电曲线



不同温度下的放电容量曲线



不同温度下浮充寿命曲线



## 恒电流放电数据表

### 1.65V/C-Discharge in A at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h    | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h   | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| U2V200H/A  | 302  | 270   | 242   | 205   | 176   | 117  | 75.3   | 58.9  | 40.5  | 34.3  | 26.5  | 22.4  | 11.85  | 10.05  | 5.40  | 3.00  | 2.55  | 1.28  |
| U2V250H/A  | 378  | 338   | 303   | 257   | 220   | 146  | 94.2   | 73.6  | 50.7  | 42.9  | 33.2  | 28.0  | 14.81  | 12.56  | 6.75  | 3.75  | 3.19  | 1.60  |
| U2V300H/A  | 453  | 405   | 363   | 308   | 264   | 175  | 113.0  | 88.3  | 60.8  | 51.5  | 39.8  | 33.6  | 17.78  | 15.08  | 8.10  | 4.50  | 3.83  | 1.93  |
| U2V350H/A  | 529  | 473   | 424   | 359   | 308   | 204  | 131.8  | 103.0 | 70.9  | 60.1  | 46.4  | 39.2  | 20.74  | 17.59  | 9.45  | 5.25  | 4.46  | 2.25  |
| U2V420H/A  | 634  | 567   | 508   | 431   | 370   | 245  | 158.2  | 123.6 | 85.1  | 72.1  | 55.7  | 47.0  | 24.89  | 21.11  | 11.34 | 6.30  | 5.36  | 2.69  |
| U2V500H/A  | 755  | 675   | 605   | 513   | 440   | 292  | 188.3  | 147.2 | 101.3 | 85.8  | 66.3  | 56.0  | 29.63  | 25.13  | 13.50 | 7.50  | 6.38  | 3.21  |
| U2V600H/A  | 906  | 810   | 726   | 616   | 528   | 350  | 226.0  | 176.6 | 121.6 | 103.0 | 79.6  | 67.2  | 35.55  | 30.15  | 16.20 | 9.00  | 7.65  | 3.85  |
| U2V800H/A  | 1208 | 1080  | 968   | 821   | 704   | 467  | 301.3  | 235.5 | 162.1 | 137.3 | 106.1 | 89.6  | 47.40  | 40.20  | 21.60 | 12.00 | 10.20 | 5.13  |
| U2V1000H/A | 1510 | 1350  | 1210  | 1027  | 880   | 584  | 376.7  | 294.3 | 202.7 | 171.7 | 132.7 | 112.0 | 59.25  | 50.25  | 27.00 | 15.00 | 12.75 | 6.42  |
| U2V1200H/A | 1812 | 1620  | 1452  | 1232  | 1056  | 701  | 452.0  | 353.2 | 243.2 | 206.0 | 159.2 | 134.4 | 71.10  | 60.30  | 32.40 | 18.00 | 15.30 | 7.70  |
| U2V1500H/A | 2265 | 2025  | 1815  | 1540  | 1320  | 876  | 565.0  | 441.5 | 304.0 | 257.5 | 199.0 | 168.0 | 88.88  | 75.38  | 40.50 | 22.50 | 19.13 | 9.62  |
| U2V2000H/A | 3020 | 2700  | 2420  | 2053  | 1760  | 1168 | 753.3  | 588.7 | 405.3 | 343.3 | 265.3 | 224.0 | 118.50 | 100.50 | 54.00 | 30.00 | 25.50 | 12.83 |
| U2V2500H/A | 3775 | 3375  | 3025  | 2567  | 2200  | 1460 | 941.7  | 735.8 | 506.7 | 429.2 | 331.7 | 280.0 | 148.13 | 125.63 | 67.50 | 37.50 | 31.88 | 16.04 |
| U2V3000H/A | 4530 | 4050  | 3630  | 3080  | 2640  | 1753 | 1130.0 | 883.0 | 608.0 | 515.0 | 398.0 | 336.0 | 177.75 | 150.75 | 81.00 | 45.00 | 38.25 | 19.25 |

### 1.70V/C-Discharge in A at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h    | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h   | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| U2V200H/A  | 283  | 258   | 239   | 195   | 174   | 116  | 71.3   | 55.7  | 38.3  | 32.4  | 25.5  | 22.2  | 11.50  | 10.02  | 5.33  | 2.94  | 2.50  | 1.26  |
| U2V250H/A  | 354  | 323   | 299   | 243   | 217   | 144  | 89.2   | 69.7  | 47.9  | 40.5  | 31.8  | 27.8  | 14.38  | 12.52  | 6.66  | 3.68  | 3.13  | 1.58  |
| U2V300H/A  | 425  | 387   | 359   | 292   | 260   | 173  | 107.0  | 83.6  | 57.5  | 48.6  | 38.2  | 33.3  | 17.25  | 15.03  | 7.99  | 4.41  | 3.75  | 1.89  |
| U2V350H/A  | 496  | 452   | 419   | 341   | 304   | 202  | 124.8  | 97.5  | 67.1  | 56.7  | 44.6  | 38.9  | 20.13  | 17.53  | 9.32  | 5.15  | 4.38  | 2.21  |
| U2V420H/A  | 595  | 542   | 503   | 409   | 364   | 243  | 149.8  | 117.0 | 80.5  | 68.0  | 53.5  | 46.6  | 24.15  | 21.04  | 11.19 | 6.18  | 5.26  | 2.65  |
| U2V500H/A  | 708  | 646   | 598   | 487   | 434   | 289  | 178.3  | 139.3 | 95.8  | 81.0  | 63.7  | 55.5  | 28.75  | 25.05  | 13.32 | 7.36  | 6.26  | 3.15  |
| U2V600H/A  | 850  | 775   | 718   | 584   | 521   | 347  | 214.0  | 167.2 | 115.0 | 97.2  | 76.4  | 66.6  | 34.50  | 30.06  | 15.98 | 8.83  | 7.51  | 3.78  |
| U2V800H/A  | 1133 | 1033  | 957   | 779   | 694   | 462  | 285.3  | 222.9 | 153.3 | 129.6 | 101.9 | 88.8  | 46.00  | 40.07  | 21.31 | 11.77 | 10.01 | 5.04  |
| U2V1000H/A | 1417 | 1292  | 1197  | 973   | 868   | 578  | 356.7  | 278.7 | 191.7 | 162.0 | 127.3 | 111.0 | 57.50  | 50.09  | 26.63 | 14.72 | 12.52 | 6.30  |
| U2V1200H/A | 1700 | 1550  | 1436  | 1168  | 1041  | 693  | 428.0  | 334.4 | 230.0 | 194.4 | 152.8 | 133.2 | 69.00  | 60.11  | 31.96 | 17.66 | 15.02 | 7.56  |
| U2V1500H/A | 2125 | 1938  | 1795  | 1460  | 1302  | 866  | 535.0  | 418.0 | 287.5 | 243.0 | 191.0 | 166.5 | 86.25  | 75.14  | 39.95 | 22.08 | 18.77 | 9.45  |
| U2V2000H/A | 2833 | 2583  | 2393  | 1947  | 1735  | 1155 | 713.3  | 557.3 | 383.3 | 324.0 | 254.7 | 222.0 | 115.00 | 100.19 | 53.27 | 29.43 | 25.03 | 12.60 |
| U2V2500H/A | 3542 | 3229  | 2992  | 2433  | 2169  | 1444 | 891.7  | 696.7 | 479.2 | 405.0 | 318.3 | 277.5 | 143.75 | 125.23 | 66.58 | 36.79 | 31.29 | 15.75 |
| U2V3000H/A | 4250 | 3875  | 3590  | 2920  | 2603  | 1733 | 1070.0 | 836.0 | 575.0 | 486.0 | 382.0 | 333.0 | 172.50 | 150.28 | 79.90 | 44.15 | 37.55 | 18.90 |

### 1.75V/C-Discharge in A at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h    | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h   | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| U2V200H/A  | 272  | 253   | 238   | 184   | 168   | 115  | 67.3   | 53.2  | 36.3  | 31.2  | 25.1  | 22.0  | 11.80  | 9.90   | 5.26  | 2.85  | 2.49  | 1.23  |
| U2V250H/A  | 340  | 316   | 298   | 230   | 210   | 144  | 84.2   | 66.5  | 45.4  | 39.0  | 31.4  | 27.5  | 14.75  | 12.37  | 6.58  | 3.56  | 3.04  | 1.53  |
| U2V300H/A  | 408  | 380   | 357   | 276   | 252   | 173  | 101.0  | 79.8  | 54.5  | 46.8  | 37.7  | 33.0  | 17.70  | 14.85  | 7.89  | 4.27  | 3.65  | 1.84  |
| U2V350H/A  | 476  | 443   | 417   | 322   | 294   | 202  | 117.8  | 93.1  | 63.6  | 54.6  | 43.9  | 38.5  | 20.65  | 17.32  | 9.21  | 4.98  | 4.25  | 2.15  |
| U2V420H/A  | 571  | 531   | 500   | 386   | 353   | 242  | 141.4  | 111.7 | 76.3  | 65.5  | 52.7  | 46.2  | 24.78  | 20.78  | 11.05 | 5.98  | 5.10  | 2.58  |
| U2V500H/A  | 680  | 633   | 595   | 460   | 420   | 288  | 168.3  | 133.0 | 90.8  | 78.0  | 62.8  | 55.0  | 29.50  | 24.74  | 13.15 | 7.12  | 6.08  | 3.07  |
| U2V600H/A  | 816  | 759   | 714   | 552   | 504   | 346  | 202.0  | 159.6 | 109.0 | 93.6  | 75.3  | 66.0  | 35.40  | 29.69  | 15.78 | 8.54  | 7.29  | 3.68  |
| U2V800H/A  | 1088 | 1012  | 952   | 736   | 672   | 461  | 269.3  | 212.8 | 145.3 | 124.8 | 100.4 | 88.0  | 47.20  | 39.59  | 21.04 | 11.39 | 9.72  | 4.91  |
| U2V1000H/A | 1360 | 1265  | 1190  | 920   | 840   | 577  | 336.7  | 266.0 | 181.7 | 156.0 | 125.5 | 110.0 | 59.00  | 49.48  | 26.30 | 14.23 | 12.15 | 6.13  |
| U2V1200H/A | 1632 | 1518  | 1428  | 1104  | 1008  | 692  | 404.0  | 319.2 | 218.0 | 187.2 | 150.6 | 132.0 | 70.80  | 59.38  | 31.56 | 17.08 | 14.58 | 7.36  |
| U2V1500H/A | 2040 | 1898  | 1785  | 1380  | 1260  | 865  | 505.0  | 399.0 | 272.5 | 234.0 | 188.3 | 165.0 | 88.50  | 74.23  | 39.45 | 21.35 | 18.23 | 9.20  |
| U2V2000H/A | 2720 | 2530  | 2380  | 1840  | 1680  | 1153 | 673.3  | 532.0 | 363.3 | 312.0 | 251.0 | 220.0 | 118.00 | 98.97  | 52.60 | 28.47 | 24.30 | 12.27 |
| U2V2500H/A | 3400 | 3163  | 2975  | 2300  | 2100  | 1442 | 841.7  | 665.0 | 454.2 | 390.0 | 313.8 | 275.0 | 147.50 | 123.71 | 65.75 | 35.58 | 30.38 | 15.33 |
| U2V3000H/A | 4080 | 3795  | 3570  | 2760  | 2520  | 1730 | 1010.0 | 798.0 | 545.0 | 468.0 | 376.5 | 330.0 | 177.00 | 148.45 | 78.90 | 42.70 | 36.45 | 18.40 |

### 1.80V/C-Discharge in A at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h    | 3h    | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h   | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| U2V200H/A  | 255  | 230   | 213   | 177   | 163   | 112  | 63.6  | 51.5  | 34.5  | 29.1  | 24.5  | 21.0  | 11.00  | 9.31   | 5.20  | 2.78  | 2.36  | 1.19  |
| U2V250H/A  | 319  | 288   | 267   | 221   | 204   | 140  | 79.5  | 64.4  | 43.1  | 36.3  | 30.7  | 26.3  | 13.75  | 11.64  | 6.50  | 3.48  | 2.95  | 1.49  |
| U2V300H/A  | 383  | 345   | 320   | 265   | 245   | 168  | 95.4  | 77.3  | 51.8  | 43.6  | 36.8  | 31.5  | 16.50  | 13.97  | 7.80  | 4.17  | 3.54  | 1.79  |
| U2V350H/A  | 447  | 403   | 373   | 309   | 285   | 196  | 111.3 | 90.1  | 60.4  | 50.9  | 42.9  | 36.8  | 19.25  | 16.30  | 9.10  | 4.87  | 4.12  | 2.09  |
| U2V420H/A  | 536  | 483   | 448   | 371   | 342   | 235  | 133.6 | 108.2 | 72.5  | 61.0  | 51.5  | 44.1  | 23.10  | 19.56  | 10.92 | 5.84  | 4.95  | 2.51  |
| U2V500H/A  | 638  | 575   | 533   | 442   | 408   | 280  | 159.0 | 128.8 | 86.3  | 72.7  | 61.3  | 52.5  | 27.50  | 23.28  | 13.00 | 6.95  | 5.89  | 2.98  |
| U2V600H/A  | 766  | 690   | 640   | 530   | 489   | 336  | 190.8 | 154.5 | 103.5 | 87.2  | 73.6  | 63.0  | 33.00  | 27.94  | 15.60 | 8.34  | 7.07  | 3.58  |
| U2V800H/A  | 1021 | 920   | 853   | 707   | 652   | 448  | 254.4 | 206.0 | 138.0 | 116.3 | 98.1  | 84.0  | 44.00  | 37.25  | 20.80 | 11.12 | 9.43  | 4.77  |
| U2V1000H/A | 1277 | 1150  | 1067  | 883   | 815   | 560  | 318.0 | 257.5 | 172.5 | 145.3 | 122.7 | 105.0 | 55.00  | 46.57  | 26.00 | 13.90 | 11.78 | 5.97  |
| U2V1200H/A | 1532 | 1380  | 1280  | 1060  | 978   | 672  | 381.6 | 309.0 | 207.0 | 174.4 | 147.2 | 126.0 | 66.00  | 55.88  | 31.20 | 16.68 | 14.14 | 7.16  |
| U2V1500H/A | 1915 | 1725  | 1600  | 1325  | 1223  | 840  | 477.0 | 386.3 | 258.8 | 218.0 | 184.0 | 157.5 | 82.50  | 69.85  | 39.00 | 20.85 | 17.68 | 8.95  |
| U2V2000H/A | 2553 | 2300  | 2133  | 1767  | 1630  | 1120 | 636.0 | 515.0 | 345.0 | 290.7 | 245.3 | 210.0 | 110.00 | 93.13  | 52.00 | 27.80 | 23.57 | 11.93 |
| U2V2500H/A | 3192 | 2875  | 2667  | 2208  | 2038  | 1400 | 795.0 | 643.8 | 431.3 | 363.3 | 306.7 | 262.5 | 137.50 | 116.42 | 65.00 | 34.75 | 29.46 | 14.92 |
| U2V3000H/A | 3830 | 3450  | 3200  | 2650  | 2445  | 1680 | 954.0 | 772.5 | 517.5 | 436.0 | 368.0 | 315.0 | 165.00 | 139.70 | 78.00 | 41.70 | 35.35 | 17.90 |

### 1.85V/C-Discharge in A at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h    | 3h    | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h   | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| U2V200H/A  | 246  | 217   | 186   | 167   | 145   | 102  | 60.2  | 47.3  | 32.6  | 28.1  | 22.3  | 19.0  | 10.60  | 9.00   | 5.13  | 2.67  | 2.27  | 1.15  |
| U2V250H/A  | 308  | 272   | 233   | 209   | 182   | 127  | 75.3  | 59.2  | 40.8  | 35.1  | 27.8  | 23.8  | 13.25  | 11.25  | 6.41  | 3.33  | 2.84  | 1.44  |
| U2V300H/A  | 369  | 326   | 279   | 251   | 218   | 152  | 90.3  | 71.0  | 48.9  | 42.1  | 33.4  | 28.5  | 15.90  | 13.50  | 7.69  | 4.00  | 3.41  | 1.73  |
| U2V350H/A  | 431  | 380   | 326   | 293   | 254   | 178  | 105.4 | 82.8  | 57.1  | 49.1  | 39.0  | 33.3  | 18.56  | 15.75  | 8.97  | 4.67  | 3.98  | 2.02  |
| U2V420H/A  | 517  | 456   | 391   | 351   | 305   | 213  | 126.4 | 99.4  | 68.5  | 58.9  | 46.8  | 39.9  | 22.27  | 18.90  | 10.77 | 5.60  | 4.77  | 2.42  |
| U2V500H/A  | 615  | 543   | 465   | 418   | 363   | 254  | 150.5 | 118.3 | 81.5  | 70.2  | 55.7  | 47.5  | 26.51  | 22.50  | 12.82 | 6.67  | 5.68  | 2.88  |
| U2V600H/A  | 738  | 652   | 558   | 502   | 436   | 305  | 180.6 | 142.0 | 97.8  | 84.2  | 66.8  | 57.0  | 31.81  | 27.00  | 15.38 | 8.00  | 6.82  | 3.46  |
| U2V800H/A  | 984  | 869   | 744   | 669   | 581   | 406  | 240.8 | 189.3 | 130.4 | 112.3 | 89.1  | 76.0  | 42.41  | 36.00  | 20.51 | 10.67 | 9.09  | 4.61  |
| U2V1000H/A | 1230 | 1087  | 930   | 837   | 727   | 508  | 301.0 | 236.7 | 163.0 | 140.3 | 111.3 | 95.0  | 53.02  | 45.00  | 25.63 | 13.33 | 11.37 | 5.77  |
| U2V1200H/A | 1476 | 1304  | 1116  | 1004  | 872   | 609  | 361.2 | 284.0 | 195.6 | 168.4 | 133.6 | 114.0 | 63.62  | 54.00  | 30.76 | 16.00 | 13.64 | 6.92  |
| U2V1500H/A | 1845 | 1630  | 1395  | 1255  | 1090  | 761  | 451.5 | 355.0 | 244.5 | 210.5 | 167.0 | 142.5 | 79.52  | 67.50  | 38.45 | 20.00 | 17.05 | 8.65  |
| U2V2000H/A | 2460 | 2173  | 1860  | 1673  | 1453  | 1015 | 602.0 | 473.3 | 326.0 | 280.7 | 222.7 | 190.0 | 106.03 | 90.00  | 51.27 | 26.67 | 22.73 | 11.53 |
| U2V2500H/A | 3075 | 2717  | 2325  | 2092  | 1817  | 1269 | 752.5 | 591.7 | 407.5 | 350.8 | 278.3 | 237.5 | 132.54 | 112.50 | 64.08 | 33.33 | 28.42 | 14.42 |
| U2V3000H/A | 3690 | 3260  | 2790  | 2510  | 2180  | 1523 | 903.0 | 710.0 | 489.0 | 421.0 | 334.0 | 285.0 | 159.05 | 135.00 | 76.90 | 40.00 | 34.10 | 17.30 |

### 恒功率放电数据表

#### 1.65V/C-Discharge in W/cell at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h     | 5h     | 6h     | 8h    | 10h   | 20h    | 24h    | 48h    | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|--------|--------|--------|-------|-------|--------|--------|--------|-------|-------|-------|
| U2V200H/A  | 503  | 492   | 453   | 430   | 365   | 239  | 154.0  | 118.7  | 80.0   | 68.3   | 53.1  | 46.1  | 23.27  | 19.93  | 11.03  | 5.77  | 4.99  | 2.45  |
| U2V250H/A  | 629  | 615   | 567   | 538   | 457   | 298  | 192.5  | 148.3  | 100.0  | 85.4   | 66.4  | 57.7  | 29.08  | 24.92  | 13.78  | 7.21  | 6.23  | 3.06  |
| U2V300H/A  | 755  | 738   | 680   | 645   | 548   | 358  | 231.0  | 178.0  | 120.0  | 102.5  | 79.7  | 69.2  | 34.90  | 29.90  | 16.54  | 8.65  | 7.48  | 3.67  |
| U2V350H/A  | 908  | 836   | 723   | 672   | 583   | 412  | 283.3  | 211.7  | 140.8  | 119.2  | 95.8  | 77.3  | 41.08  | 33.58  | 20.08  | 10.92 | 9.25  | 4.53  |
| U2V420H/A  | 1089 | 1003  | 867   | 806   | 700   | 494  | 340.0  | 254.0  | 169.0  | 143.0  | 115.0 | 92.7  | 49.30  | 40.30  | 24.10  | 13.10 | 11.10 | 5.43  |
| U2V500H/A  | 1296 | 1194  | 1032  | 960   | 833   | 588  | 404.8  | 302.4  | 201.2  | 170.2  | 136.9 | 110.4 | 58.69  | 47.98  | 28.69  | 15.60 | 13.21 | 6.46  |
| U2V600H/A  | 1556 | 1433  | 1239  | 1151  | 1000  | 706  | 485.7  | 362.9  | 241.4  | 204.3  | 164.3 | 132.4 | 70.43  | 57.57  | 34.43  | 18.71 | 15.86 | 7.76  |
| U2V800H/A  | 2074 | 1910  | 1651  | 1535  | 1333  | 941  | 647.6  | 483.8  | 321.9  | 272.4  | 219.0 | 176.6 | 93.90  | 76.76  | 45.90  | 24.95 | 21.14 | 10.34 |
| U2V1000H/A | 2593 | 2388  | 2064  | 1919  | 1667  | 1176 | 809.5  | 604.8  | 402.4  | 340.5  | 273.8 | 220.7 | 117.38 | 95.95  | 57.38  | 31.19 | 26.43 | 12.93 |
| U2V1200H/A | 2711 | 2678  | 2477  | 2303  | 2000  | 1411 | 971.4  | 725.7  | 482.9  | 408.6  | 328.6 | 264.9 | 140.86 | 115.14 | 68.86  | 37.43 | 31.71 | 15.51 |
| U2V1500H/A | 3349 | 3240  | 3096  | 2879  | 2500  | 1764 | 1214.3 | 907.1  | 603.6  | 510.7  | 410.7 | 331.1 | 176.07 | 143.93 | 86.07  | 46.79 | 39.64 | 19.39 |
| U2V2000H/A | 4632 | 4287  | 4029  | 3838  | 3333  | 2352 | 1619.0 | 1209.5 | 804.8  | 681.0  | 547.6 | 441.4 | 234.76 | 191.90 | 114.76 | 62.38 | 52.86 | 25.86 |
| U2V2500H/A | 5815 | 5364  | 5161  | 4798  | 4167  | 2940 | 2023.8 | 1511.9 | 1006.0 | 851.2  | 684.5 | 551.8 | 293.45 | 239.88 | 143.45 | 77.98 | 66.07 | 32.32 |
| U2V3000H/A | 6798 | 6581  | 6193  | 5757  | 5000  | 3529 | 2428.6 | 1814.3 | 1207.1 | 1021.4 | 821.4 | 662.1 | 352.14 | 287.86 | 172.14 | 93.57 | 79.29 | 38.79 |

## 1.70V/C-Discharge in W/cell at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h     | 5h     | 6h    | 8h    | 10h   | 20h    | 24h    | 48h    | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|--------|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| U2V200H/A  | 476  | 462   | 426   | 392   | 343   | 230  | 146.7  | 112.7  | 76.5   | 65.3  | 52.3  | 45.2  | 22.33  | 19.47  | 10.96  | 5.68  | 4.93  | 2.42  |
| U2V250H/A  | 595  | 578   | 533   | 490   | 429   | 288  | 183.3  | 140.8  | 95.6   | 81.7  | 65.4  | 56.5  | 27.92  | 24.33  | 13.70  | 7.10  | 6.17  | 3.03  |
| U2V300H/A  | 714  | 693   | 639   | 588   | 515   | 345  | 220.0  | 169.0  | 114.8  | 98.0  | 78.5  | 67.8  | 33.50  | 29.20  | 16.44  | 8.52  | 7.40  | 3.63  |
| U2V350H/A  | 822  | 758   | 669   | 615   | 550   | 399  | 267.5  | 201.7  | 135.8  | 115.0 | 92.5  | 76.3  | 40.25  | 33.08  | 19.92  | 10.67 | 9.00  | 4.40  |
| U2V420H/A  | 986  | 910   | 803   | 738   | 660   | 479  | 321.0  | 242.0  | 163.0  | 138.0 | 111.0 | 91.6  | 48.30  | 39.70  | 23.90  | 12.80 | 10.80 | 5.28  |
| U2V500H/A  | 1174 | 1083  | 956   | 879   | 786   | 570  | 382.1  | 288.1  | 194.0  | 164.3 | 132.1 | 109.0 | 57.50  | 47.26  | 28.45  | 15.24 | 12.86 | 6.29  |
| U2V600H/A  | 1409 | 1300  | 1147  | 1054  | 943   | 684  | 458.6  | 345.7  | 232.9  | 197.1 | 158.6 | 130.9 | 69.00  | 56.71  | 34.14  | 18.29 | 15.43 | 7.54  |
| U2V800H/A  | 1878 | 1733  | 1530  | 1406  | 1257  | 912  | 611.4  | 461.0  | 310.5  | 262.9 | 211.4 | 174.5 | 92.00  | 75.62  | 45.52  | 24.38 | 20.57 | 10.06 |
| U2V1000H/A | 2348 | 2167  | 1912  | 1757  | 1571  | 1140 | 764.3  | 576.2  | 388.1  | 328.6 | 264.3 | 218.1 | 115.00 | 94.52  | 56.90  | 30.48 | 25.71 | 12.57 |
| U2V1200H/A | 2573 | 2419  | 2294  | 2109  | 1886  | 1369 | 917.1  | 691.4  | 465.7  | 394.3 | 317.1 | 261.7 | 138.00 | 113.43 | 68.29  | 36.57 | 30.86 | 15.09 |
| U2V1500H/A | 3168 | 2919  | 2768  | 2636  | 2357  | 1711 | 1146.4 | 864.3  | 582.1  | 492.9 | 396.4 | 327.1 | 172.50 | 141.79 | 85.36  | 45.71 | 38.57 | 18.86 |
| U2V2000H/A | 4324 | 4159  | 3824  | 3514  | 3143  | 2281 | 1528.6 | 1152.4 | 776.2  | 657.1 | 528.6 | 436.2 | 230.00 | 189.05 | 113.81 | 60.95 | 51.43 | 25.14 |
| U2V2500H/A | 5480 | 5019  | 4780  | 4393  | 3929  | 2851 | 1910.7 | 1440.5 | 970.2  | 821.4 | 660.7 | 545.2 | 287.50 | 236.31 | 142.26 | 76.19 | 64.29 | 31.43 |
| U2V3000H/A | 6336 | 6139  | 5736  | 5271  | 4714  | 3421 | 2292.9 | 1728.6 | 1164.3 | 985.7 | 792.9 | 654.3 | 345.00 | 283.57 | 170.71 | 91.43 | 77.14 | 37.71 |

## 1.75V/C-Discharge in W/cell at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h     | 5h     | 6h    | 8h    | 10h   | 20h    | 24h    | 48h    | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|--------|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| U2V200H/A  | 447  | 427   | 399   | 361   | 313   | 221  | 137.3  | 110.0  | 74.0   | 62.0  | 50.9  | 43.3  | 21.87  | 19.00  | 10.87  | 5.63  | 4.89  | 2.39  |
| U2V250H/A  | 558  | 533   | 498   | 451   | 392   | 277  | 171.7  | 137.5  | 92.5   | 77.5  | 63.6  | 54.2  | 27.33  | 23.75  | 13.58  | 7.04  | 6.11  | 2.99  |
| U2V300H/A  | 670  | 640   | 598   | 541   | 470   | 332  | 206.0  | 165.0  | 111.0  | 93.0  | 76.3  | 65.0  | 32.80  | 28.50  | 16.30  | 8.45  | 7.33  | 3.59  |
| U2V350H/A  | 752  | 699   | 623   | 566   | 500   | 391  | 250.0  | 193.3  | 132.5  | 111.7 | 90.0  | 73.5  | 39.67  | 32.50  | 19.75  | 10.42 | 8.75  | 4.30  |
| U2V420H/A  | 902  | 839   | 748   | 679   | 600   | 469  | 300.0  | 232.0  | 159.0  | 134.0 | 108.0 | 88.2  | 47.60  | 39.00  | 23.70  | 12.50 | 10.50 | 5.16  |
| U2V500H/A  | 1074 | 999   | 890   | 808   | 714   | 558  | 357.1  | 276.2  | 189.3  | 159.5 | 128.6 | 105.0 | 56.67  | 46.43  | 28.21  | 14.88 | 12.50 | 6.14  |
| U2V600H/A  | 1289 | 1199  | 1069  | 970   | 857   | 670  | 428.6  | 331.4  | 227.1  | 191.4 | 154.3 | 126.0 | 68.00  | 55.71  | 33.86  | 17.86 | 15.00 | 7.37  |
| U2V800H/A  | 1718 | 1598  | 1425  | 1293  | 1143  | 893  | 571.4  | 441.9  | 302.9  | 255.2 | 205.7 | 168.0 | 90.67  | 74.29  | 45.14  | 23.81 | 20.00 | 9.83  |
| U2V1000H/A | 2148 | 1998  | 1781  | 1617  | 1429  | 1117 | 714.3  | 552.4  | 378.6  | 319.0 | 257.1 | 210.0 | 113.33 | 92.86  | 56.43  | 29.76 | 25.00 | 12.29 |
| U2V1200H/A | 2437 | 2297  | 2137  | 1940  | 1714  | 1340 | 857.1  | 662.9  | 454.3  | 382.9 | 308.6 | 252.0 | 136.00 | 111.43 | 67.71  | 35.71 | 30.00 | 14.74 |
| U2V1500H/A | 2873 | 2731  | 2671  | 2425  | 2143  | 1675 | 1071.4 | 828.6  | 567.9  | 478.6 | 385.7 | 315.0 | 170.00 | 139.29 | 84.64  | 44.64 | 37.50 | 18.43 |
| U2V2000H/A | 3761 | 3541  | 3362  | 3233  | 2857  | 2233 | 1428.6 | 1104.8 | 757.1  | 638.1 | 514.3 | 420.0 | 226.67 | 185.71 | 112.86 | 59.52 | 50.00 | 24.57 |
| U2V2500H/A | 5001 | 4601  | 4452  | 4042  | 3571  | 2792 | 1785.7 | 1381.0 | 946.4  | 797.6 | 642.9 | 525.0 | 283.33 | 232.14 | 141.07 | 74.40 | 62.50 | 30.71 |
| U2V3000H/A | 5742 | 5562  | 5343  | 4850  | 4286  | 3350 | 2142.9 | 1657.1 | 1135.7 | 957.1 | 771.4 | 630.0 | 340.00 | 278.57 | 169.29 | 89.29 | 75.00 | 36.86 |

## 1.80V/C-Discharge in W/cell at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h     | 5h     | 6h    | 8h    | 10h   | 20h    | 24h    | 48h    | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|--------|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| U2V200H/A  | 403  | 375   | 348   | 319   | 282   | 208  | 131.3  | 103.3  | 68.7   | 59.7  | 48.2  | 41.8  | 21.27  | 18.60  | 10.82  | 5.59  | 4.83  | 2.37  |
| U2V250H/A  | 503  | 469   | 435   | 398   | 353   | 260  | 164.2  | 129.2  | 85.8   | 74.6  | 60.3  | 52.3  | 26.58  | 23.25  | 13.52  | 6.98  | 6.04  | 2.96  |
| U2V300H/A  | 604  | 563   | 522   | 478   | 423   | 312  | 197.0  | 155.0  | 103.0  | 89.5  | 72.3  | 62.7  | 31.90  | 27.90  | 16.23  | 8.38  | 7.25  | 3.55  |
| U2V350H/A  | 694  | 633   | 562   | 514   | 449   | 357  | 238.3  | 182.5  | 123.3  | 104.2 | 86.7  | 71.8  | 38.92  | 32.00  | 19.50  | 10.25 | 8.58  | 4.23  |
| U2V420H/A  | 833  | 760   | 674   | 617   | 539   | 428  | 286.0  | 219.0  | 148.0  | 125.0 | 104.0 | 86.1  | 46.70  | 38.40  | 23.40  | 12.30 | 10.30 | 5.07  |
| U2V500H/A  | 992  | 905   | 802   | 735   | 642   | 510  | 340.5  | 260.7  | 176.2  | 148.8 | 123.8 | 102.5 | 55.60  | 45.71  | 27.86  | 14.64 | 12.26 | 6.04  |
| U2V600H/A  | 1190 | 1086  | 963   | 881   | 770   | 611  | 408.6  | 312.9  | 211.4  | 178.6 | 148.6 | 123.0 | 66.71  | 54.86  | 33.43  | 17.57 | 14.71 | 7.24  |
| U2V800H/A  | 1587 | 1448  | 1284  | 1175  | 1027  | 815  | 544.8  | 417.1  | 281.9  | 238.1 | 198.1 | 164.0 | 88.95  | 73.14  | 44.57  | 23.43 | 19.62 | 9.66  |
| U2V1000H/A | 1983 | 1810  | 1605  | 1469  | 1283  | 1019 | 681.0  | 521.4  | 352.4  | 297.6 | 247.6 | 205.0 | 111.19 | 91.43  | 55.71  | 29.29 | 24.52 | 12.07 |
| U2V1200H/A | 2268 | 2171  | 1969  | 1763  | 1540  | 1223 | 817.1  | 625.7  | 422.9  | 357.1 | 297.1 | 246.0 | 133.43 | 109.71 | 66.86  | 35.14 | 29.43 | 14.49 |
| U2V1500H/A | 2519 | 2431  | 2407  | 2204  | 1925  | 1529 | 1021.4 | 782.1  | 528.6  | 446.4 | 371.4 | 307.5 | 166.79 | 137.14 | 83.57  | 43.93 | 36.79 | 18.11 |
| U2V2000H/A | 3325 | 3275  | 3210  | 2938  | 2567  | 2038 | 1361.9 | 1042.9 | 704.8  | 595.2 | 495.2 | 410.0 | 222.38 | 182.86 | 111.43 | 58.57 | 49.05 | 24.14 |
| U2V2500H/A | 4331 | 4119  | 4012  | 3673  | 3208  | 2548 | 1702.4 | 1303.6 | 881.0  | 744.0 | 619.0 | 512.5 | 277.98 | 228.57 | 139.29 | 73.21 | 61.31 | 30.18 |
| U2V3000H/A | 5138 | 4863  | 4814  | 4407  | 3850  | 3057 | 2042.9 | 1564.3 | 1057.1 | 892.9 | 742.9 | 615.0 | 333.57 | 274.29 | 167.14 | 87.86 | 73.57 | 36.21 |

## 1.85V/C-Discharge in W/cell at 25°C

| 型号/放电时间    | 5min | 10min | 15min | 20min | 30min | 1h   | 2h     | 3h     | 5h    | 6h    | 8h    | 10h   | 20h    | 24h    | 48h    | 100h  | 120h  | 240h  |
|------------|------|-------|-------|-------|-------|------|--------|--------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| U2V200H/A  | 361  | 326   | 303   | 283   | 246   | 193  | 122.7  | 94.7   | 65.0  | 56.2  | 45.3  | 38.1  | 20.45  | 18.13  | 10.69  | 5.53  | 4.75  | 2.34  |
| U2V250H/A  | 451  | 408   | 379   | 354   | 308   | 242  | 153.3  | 118.3  | 81.3  | 70.3  | 56.7  | 47.7  | 25.57  | 22.67  | 13.36  | 6.91  | 5.94  | 2.93  |
| U2V300H/A  | 541  | 489   | 455   | 425   | 369   | 290  | 184.0  | 142.0  | 97.5  | 84.3  | 68.0  | 57.2  | 30.68  | 27.20  | 16.03  | 8.29  | 7.13  | 3.51  |
| U2V350H/A  | 639  | 553   | 504   | 458   | 399   | 324  | 222.5  | 167.5  | 112.5 | 99.2  | 80.4  | 67.8  | 37.67  | 31.42  | 19.25  | 10.00 | 8.33  | 4.13  |
| U2V420H/A  | 767  | 664   | 605   | 549   | 479   | 389  | 267.0  | 201.0  | 135.0 | 119.0 | 96.5  | 81.3  | 45.20  | 37.70  | 23.10  | 12.00 | 10.00 | 4.95  |
| U2V500H/A  | 913  | 790   | 720   | 654   | 570   | 463  | 317.9  | 239.3  | 160.7 | 141.7 | 114.9 | 96.8  | 53.81  | 44.88  | 27.50  | 14.29 | 11.90 | 5.89  |
| U2V600H/A  | 1096 | 949   | 864   | 784   | 684   | 556  | 381.4  | 287.1  | 192.9 | 170.0 | 137.9 | 116.1 | 64.57  | 53.86  | 33.00  | 17.14 | 14.29 | 7.07  |
| U2V800H/A  | 1461 | 1265  | 1152  | 1046  | 912   | 741  | 508.6  | 382.9  | 257.1 | 226.7 | 183.8 | 154.9 | 86.10  | 71.81  | 44.00  | 22.86 | 19.05 | 9.43  |
| U2V1000H/A | 1826 | 1581  | 1440  | 1307  | 1140  | 926  | 635.7  | 478.6  | 321.4 | 283.3 | 229.8 | 193.6 | 107.62 | 89.76  | 55.00  | 28.57 | 23.81 | 11.79 |
| U2V1200H/A | 2001 | 1897  | 1729  | 1569  | 1369  | 1111 | 762.9  | 574.3  | 385.7 | 340.0 | 275.7 | 232.3 | 129.14 | 107.71 | 66.00  | 34.29 | 28.57 | 14.14 |
| U2V1500H/A | 2267 | 2200  | 2161  | 1961  | 1711  | 1389 | 953.6  | 717.9  | 482.1 | 425.0 | 344.6 | 290.4 | 161.43 | 134.64 | 82.50  | 42.86 | 35.71 | 17.68 |
| U2V2000H/A | 3123 | 2933  | 2812  | 2614  | 2281  | 1852 | 1271.4 | 957.1  | 642.9 | 566.7 | 459.5 | 387.1 | 215.24 | 179.52 | 110.00 | 57.14 | 47.62 | 23.57 |
| U2V2500H/A | 3604 | 3466  | 3317  | 3268  | 2851  | 2315 | 1589.3 | 1196.4 | 803.6 | 708.3 | 574.4 | 483.9 | 269.05 | 224.40 | 137.50 | 71.43 | 59.52 | 29.46 |
| U2V3000H/A | 4685 | 4399  | 4221  | 3921  | 3421  | 2779 | 1907.1 | 1435.7 | 964.3 | 850.0 | 689.3 | 580.7 | 322.86 | 269.29 | 165.00 | 85.71 | 71.43 | 35.36 |



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#### 维谛技术有限公司

深圳市南山区学苑大道 1001 号南山智园 B2 栋

电话：86-755-86010808

邮编：518055

#### 售前售后电话：

**400-887-6526**

**400-887-6510**

