



Industrial Batteries – Network Power
Sonnenschein A600
Premium quality for uninterrupted communication.

Specifications

Highest capacity and reliability for limited space.

Specifications

- Two options:
 - A600 for vertical installation
 - A600 WE for horizontal installation
- Extraordinary energy-saving features in addition with robust reliability
- Maintenance-free (no topping up) during the whole service life due to the Sonnenschein dryfit technology
- Nominal capacity 100–3000 Ah C₁₀
- Design life:
 - 15 years for 6/12 V blocks and
 - 18 years for 2 V cells at 20°C (80% remaining capacity from C₁₀)
- Container material:
 - blocks = ABS, UL 94-HB; optional ABS, UL 94-V0
 - cells = SAN, UL 94-HB; optional ABS, UL 94-V0
- Robust tubular plate technology
- Very low gassing due to internal gas recombination
- Long shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- Proof against deep discharge according to DIN 43 539 T5
- Cells in compliance with DIN 40742
- Completely recyclable



Applications

In the first place, batteries of the Sonnenschein A600 series care for undisturbed connection in telecommunication fields such as telephone exchanges or mobile phone base stations. Further applications include emergency lighting, security, railways, utility and other power supplies for safety systems.



Valve regulated lead acid batteries



Tubular plate



Nominal capacity 100-3000 Ah



Block battery



Single cell



Design life: blocks 15 years cells 18 years



Maintenance-free (no topping up)



Proof against deep discharge acc. to DIN 43 539 T5



Recyclable

A600 block

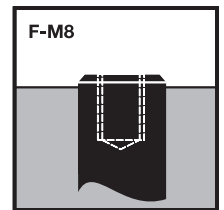
| Exide type designation | DIN designation | Part number | Nominal voltage V | Nominal capacity C ₁₀ 1.8 V/C 20°C Ah | Discharge current I ₁₀ A | Length (l) | Width (b/w) | Height (h1) | Height (h2) | Installed length (B/L) | Weight approx. kg | Internal resistance acc. to IEC 896-2 m Ω | Short circuit current acc. to IEC 896-2 A | Terminal | Pole pairs |
|------------------------|-----------------|-----------------|-------------------|--|-------------------------------------|------------|-------------|-------------|-------------|------------------------|-------------------|---|---|----------|------------|
| | | | | | | max. mm | max. mm | max. mm | max. mm | | | | | | |
| A612/100 | 12 V 2 OPzV 100 | NGA6120100HSOFA | 12 | 91 | 9.1 | 273 | 204 | 319 | 350 | 281 | 43 | 8.28 | 1400 | F-M8 | 1 |
| A612/150 | 12 V 3 OPzV 150 | NGA6120150HSOFA | 12 | 137 | 13.7 | 381 | 204 | 319 | 350 | 389 | 63 | 5.88 | 2000 | F-M8 | 1 |
| A606/200 | 6 V 4 OPzV 200 | NGA6060200HSOFA | 6 | 182 | 18.2 | 273 | 204 | 319 | 350 | 281 | 43 | 2.31 | 2550 | F-M8 | 1 |
| A606/300 | 6 V 6 OPzV 300 | NGA6060300HSOFA | 6 | 274 | 27.4 | 381 | 204 | 319 | 350 | 389 | 62 | 1.80 | 3300 | F-M8 | 1 |

Data are also valid for UL 94-V0 version.
 Change „H“ to „V“ in the part number.
 E.g.:
 Standard NGA6120100 **H** S0FA
 UL 94-V0 NGA6120100 **V** S0FA

Container, approval, terminal and torque

Container: Standard = ABS
 UL 94-V0 = ABS

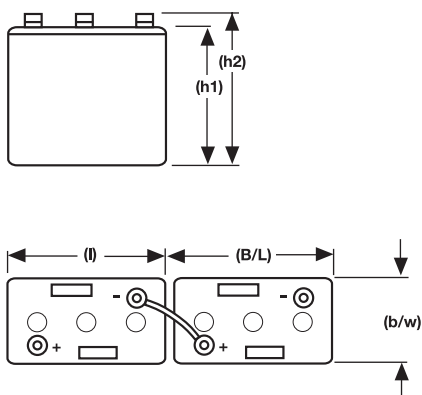
Approval: DIN/Gost/TÜV, Russia



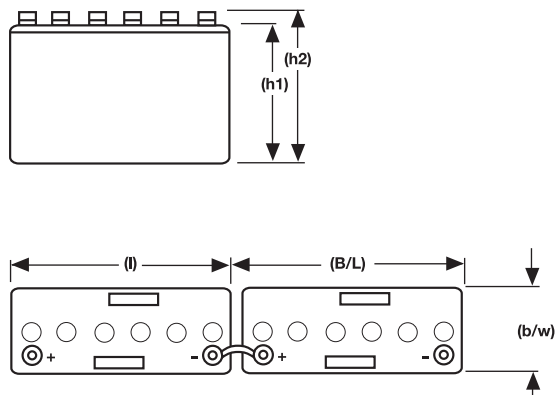
12 Nm

Drawings with terminal position

6 V block



12 V block



Not to scale!

A600

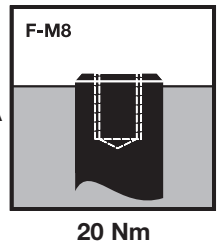
| Exide type designation | Type designation acc. to DIN 40742 | Part number | Nominal voltage V | Nominal capacity C ₁₀ 1.8 V/C 20°C Ah | Dis-charge current I ₁₀ A | Length (l) | Width (b/w) | Height (h1) | Height (h2) | Instal- led length (B/L) mm | Weight approx. kg | Internal resistance acc. to IEC 896-2 m Ω | Short circuit current acc. to IEC 896-2 A | Terminal | Pole pairs |
|------------------------|------------------------------------|-----------------|-------------------|--|--------------------------------------|------------|-------------|-------------|-------------|-----------------------------|-------------------|---|---|----------|------------|
| | | | | | | max. mm | max. mm | max. mm | max. mm | | | | | | |
| A602/200 | 4 OPzV 200 | NGA6020200HSOFA | 2 | 200 | 20 | 105 | 208 | 360 | 398 | 113 | 20 | 0.94 | 2235 | F-M8 | 1 |
| A602/250 | 5 OPzV 250 | NGA6020250HSOFA | 2 | 250 | 25 | 126 | 208 | 360 | 398 | 134 | 23 | 0.78 | 2706 | F-M8 | 1 |
| A602/300 | 6 OPzV 300 | NGA6020300HSOFA | 2 | 300 | 30 | 147 | 208 | 360 | 398 | 155 | 27 | 0.60 | 3414 | F-M8 | 1 |
| A602/350 | 5 OPzV 350 | NGA6020350HSOFA | 2 | 350 | 35 | 126 | 208 | 475 | 513 | 134 | 30 | 0.61 | 3418 | F-M8 | 1 |
| A602/420 | 6 OPzV 420 | NGA6020420HSOFA | 2 | 420 | 42 | 147 | 208 | 475 | 513 | 155 | 35 | 0.49 | 4220 | F-M8 | 1 |
| A602/490 | 7 OPzV 490 | NGA6020490HSOFA | 2 | 490 | 49 | 168 | 208 | 475 | 513 | 176 | 40 | 0.51 | 4096 | F-M8 | 1 |
| A602/600 | 6 OPzV 600 | NGA6020600HSOFA | 2 | 600 | 60 | 147 | 208 | 650 | 688 | 155 | 48 | 0.44 | 4743 | F-M8 | 1 |
| A602/800 | 8 OPzV 800 | NGA6020800HSOFA | 2 | 800 | 80 | 212 | 193 | 650 | 688 | 220 | 67 | 0.30 | 6818 | F-M8 | 2 |
| A602/1000 | 10 OPzV 1000 | NGA6021000HSOFA | 2 | 1000 | 100 | 212 | 235 | 650 | 688 | 220 | 80 | 0.25 | 8200 | F-M8 | 2 |
| A602/1200 | 12 OPzV 1200 | NGA6021200HSOFA | 2 | 1200 | 120 | 212 | 277 | 650 | 688 | 220 | 94 | 0.21 | 9840 | F-M8 | 2 |
| A602/1500 | 12 OPzV 1500 | NGA6021500HSOFA | 2 | 1500 | 150 | 212 | 277 | 800 | 838 | 220 | 118 | 0.19 | 10500 | F-M8 | 2 |
| A602/2000 | 16 OPzV 2000 | NGA6022000HSOFA | 2 | 2000 | 200 | 215 | 400 | 775 | 815 | 223 | 160 | 0.15 | 14000 | F-M8 | 3 |
| A602/2500 | 20 OPzV 2500 | NGA6022500HSOFA | 2 | 2500 | 250 | 215 | 490 | 775 | 815 | 223 | 200 | 0.12 | 17500 | F-M8 | 4 |
| A602/3000 | 24 OPzV 3000 | NGA6023000HSOFA | 2 | 3000 | 300 | 215 | 580 | 775 | 815 | 223 | 240 | 0.10 | 21000 | F-M8 | 4 |

Data are also valid for UL 94-V0 version.
 Change „H“ to „V“ in the part number.
 E.g.:
 Standard NGA6020200 **H** S0FA
 UL 94-V0 NGA6020200 **V** S0FA

Container, approval, terminal and torque

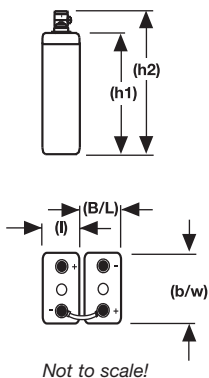
Container: Standard = SAN
 UL 94-V0 = ABS

Approval: Underwriters Laboratories (UL), USA
 Germanischer Lloyd (GL)
 DIN/Gost/TÜV, Russia
 By many Telecom organisations worldwide



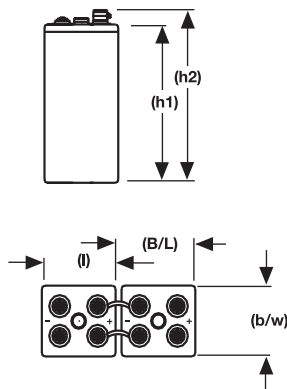
Drawings with terminal position

4 OPzV 200
 up to
 6 OPzV 600

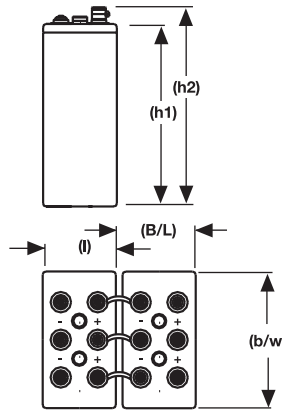


Not to scale!

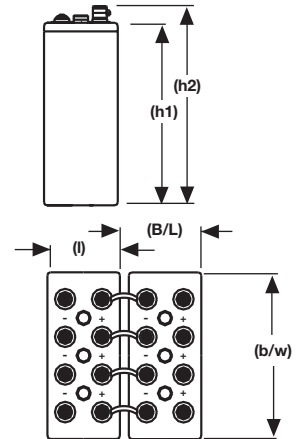
8 OPzV 800
 up to
 12 OPzV 1500



16 OPzV 2000



20 OPzV 2500
 24 OPzV 3000



A600 WE

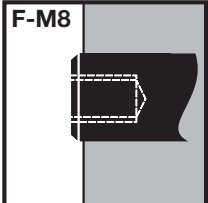
| Exide type designation | Type designation acc. to DIN 40742 | Part number | Nominal voltage | Nominal capacity | Discharge current | Length (l) | Width (b/w1) | Width, incl. terminal + connector (b/w2) | Height (h) | Installed length (B/L) | Weight | Internal resistance acc. to IEC 896-2 | Short circuit current acc. to IEC 896-2 | Terminal | Pole pairs |
|------------------------|------------------------------------|-----------------|-----------------|------------------|-------------------|------------|--------------|--|------------|------------------------|------------|---------------------------------------|---|----------|------------|
| | | | V | Ah | A | max. mm | max. mm | max. mm | max. mm | mm | approx. kg | m Ω | A | | |
| A602/200 WE | 4 OPzV 200 WE | NGA6020200HS0FB | 2 | 200 | 20 | 105 | 360 | 398 | 208 | 113 | 20 | 0.94 | 2235 | F-M8 | 1 |
| A602/250 WE | 5 OPzV 250 WE | NGA6020250HS0FB | 2 | 250 | 25 | 126 | 360 | 398 | 208 | 134 | 23 | 0.78 | 2706 | F-M8 | 1 |
| A602/300 WE | 6 OPzV 300 WE | NGA6020300HS0FB | 2 | 300 | 30 | 147 | 360 | 398 | 208 | 155 | 27 | 0.60 | 3414 | F-M8 | 1 |
| A602/350 WE | 5 OPzV 350 WE | NGA6020350HS0FB | 2 | 350 | 35 | 126 | 475 | 513 | 208 | 134 | 30 | 0.61 | 3418 | F-M8 | 1 |
| A602/420 WE | 6 OPzV 420 WE | NGA6020420HS0FB | 2 | 420 | 42 | 147 | 475 | 513 | 208 | 155 | 35 | 0.49 | 4220 | F-M8 | 1 |
| A602/490 WE | 7 OPzV 490 WE | NGA6020490HS0FB | 2 | 490 | 49 | 168 | 475 | 513 | 208 | 176 | 40 | 0.51 | 4096 | F-M8 | 1 |
| A602/600 WE | 6 OPzV 600 WE | NGA6020600HS0FB | 2 | 600 | 60 | 147 | 650 | 688 | 208 | 155 | 48 | 0.44 | 4743 | F-M8 | 1 |
| A602/800 WE | 8 OPzV 800 WE | NGA6020800HS0FB | 2 | 800 | 80 | 193 | 650 | 688 | 212 | 203 | 67 | 0.30 | 6818 | F-M8 | 2 |
| A602/1000 WE | 10 OPzV 1000 WE | NGA6021000HS0FB | 2 | 1000 | 100 | 235 | 650 | 688 | 212 | 245 | 80 | 0.25 | 8200 | F-M8 | 2 |
| A602/1200 WE | 12 OPzV 1200 WE | NGA6021200HS0FB | 2 | 1200 | 120 | 277 | 650 | 688 | 212 | 287 | 94 | 0.21 | 9840 | F-M8 | 2 |
| A602/1500 WE | 12 OPzV 1500 WE | NGA6021500HS0FB | 2 | 1500 | 150 | 277 | 800 | 838 | 212 | 287 | 118 | 0.19 | 10500 | F-M8 | 2 |

Data are also valid for UL 94-V0 version.
 Change „H“ to „V“ in the part number.
 E.g.:
 Standard NGA6020200 **H**S0FB
 UL 94-V0 NGA6020200 **V**S0FB

Container, approval, terminal and torque

Container: Standard = SAN
 UL 94-V0 = ABS

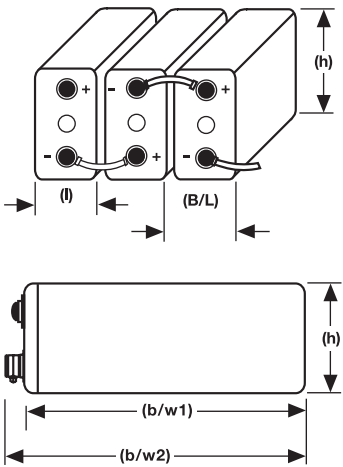
Approval: Underwriters Laboratories (UL), USA
 Germanischer Lloyd (GL)
 DIN/Gost/TÜV, Russia
 By many Telecom organisations worldwide



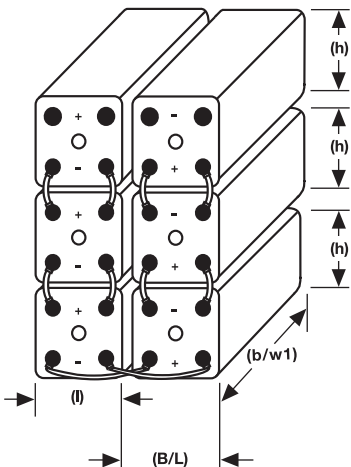
20 Nm

Orientation of cells at horizontal installation

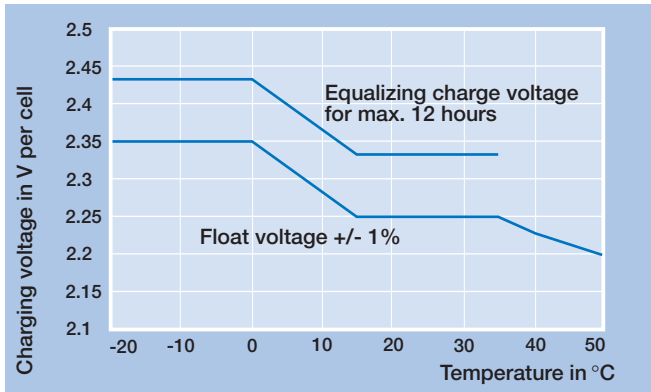
4 OPzV 200 WE
 up to
 6 OPzV 600 WE



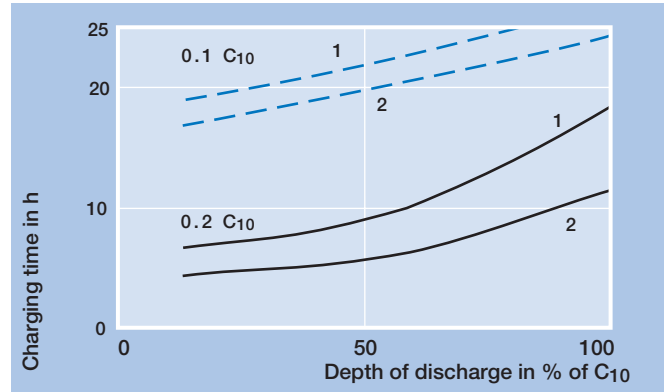
8 OPzV 800 WE
 up to
 12 OPzV 1500 WE



Not to scale!



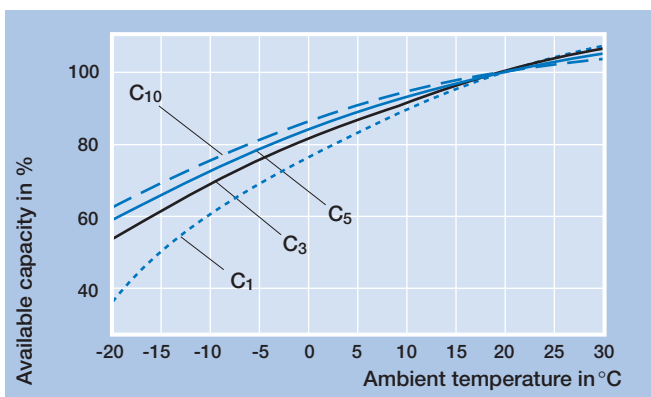
For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.



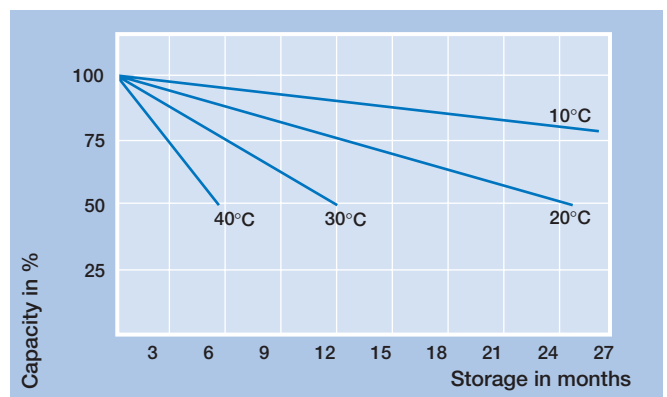
Recharging time in relation to the initial charging current at 20°C.

- - - State of charge 100 %
- State of charge 90 %

Charge voltage: 1: 2.25 V/C
2: 2.40 V/C



Available capacity in relation to the ambient temperature.



Self-discharge in relation to the storage temperature.

A600 block

1.87 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 96.9 | 86.7 | 75.8 | 64.6 | 42.8 | 28.5 | 21.3 | 17.2 | 14.6 | 12.7 | 10.1 | 8.4 | 3.9 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 139.0 | 126.0 | 108.0 | 91.8 | 62.7 | 42.5 | 31.9 | 25.8 | 21.9 | 19.0 | 15.1 | 12.5 | 5.9 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 177.0 | 162.0 | 137.0 | 116.0 | 81.7 | 55.9 | 42.6 | 34.5 | 29.3 | 25.3 | 20.1 | 16.7 | 7.8 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 266.0 | 238.0 | 214.0 | 163.0 | 120.0 | 83.2 | 63.8 | 51.7 | 43.9 | 38.0 | 30.2 | 25.1 | 11.7 |

1.83 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 112.0 | 96.9 | 88.5 | 71.2 | 47.5 | 30.4 | 22.6 | 18.2 | 15.4 | 13.3 | 10.6 | 8.7 | 4.1 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 162.0 | 141.0 | 126.0 | 103.0 | 69.8 | 45.3 | 33.9 | 27.3 | 23.1 | 20.0 | 16.0 | 13.1 | 6.1 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 205.0 | 181.0 | 162.0 | 131.0 | 91.2 | 60.0 | 45.2 | 36.4 | 30.8 | 26.7 | 21.3 | 17.5 | 8.2 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 281.0 | 249.0 | 221.0 | 190.0 | 134.0 | 88.9 | 67.8 | 54.6 | 46.2 | 39.7 | 31.3 | 26.2 | 12.2 |

1.80 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 126.0 | 109.0 | 96.9 | 75.8 | 52.3 | 31.9 | 23.9 | 19.0 | 16.0 | 13.8 | 11.0 | 9.1 | 4.2 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 181.0 | 157.0 | 141.0 | 110.0 | 76.9 | 47.6 | 35.9 | 28.5 | 23.9 | 20.7 | 16.5 | 13.7 | 6.3 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 231.0 | 201.0 | 181.0 | 148.0 | 101.0 | 63.9 | 47.9 | 38.1 | 31.9 | 27.6 | 22.0 | 18.2 | 8.4 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 314.0 | 281.0 | 249.0 | 215.0 | 148.0 | 94.0 | 71.8 | 57.2 | 47.9 | 41.5 | 33.1 | 27.4 | 12.5 |

1.75 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 139.0 | 124.0 | 105.0 | 83.1 | 56.1 | 33.7 | 24.9 | 19.7 | 16.5 | 14.2 | 11.2 | 9.3 | 4.3 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 200.0 | 179.0 | 148.0 | 120.0 | 82.7 | 50.2 | 37.3 | 29.6 | 24.8 | 21.3 | 16.8 | 14.0 | 6.5 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 253.0 | 227.0 | 187.0 | 155.0 | 108.0 | 66.5 | 49.8 | 39.6 | 33.1 | 28.4 | 22.4 | 18.6 | 8.6 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 346.0 | 319.0 | 259.0 | 226.0 | 160.0 | 98.1 | 74.7 | 59.3 | 49.6 | 42.6 | 33.6 | 27.9 | 12.7 |

1.70 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 151.0 | 137.0 | 123.0 | 91.8 | 58.9 | 36.1 | 25.5 | 20.2 | 16.9 | 14.5 | 11.4 | 9.3 | 4.3 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 219.0 | 198.0 | 176.0 | 133.0 | 86.9 | 53.6 | 38.2 | 30.4 | 25.4 | 21.8 | 17.1 | 14.0 | 6.5 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 277.0 | 253.0 | 223.0 | 173.0 | 114.0 | 70.3 | 50.9 | 40.4 | 33.8 | 29.0 | 22.8 | 18.6 | 8.6 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 395.0 | 357.0 | 314.0 | 253.0 | 168.0 | 105.0 | 76.4 | 60.4 | 50.4 | 43.3 | 34.2 | 27.9 | 12.7 |

1.65 V/C – Discharge in A at 20°C

| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
|-----------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 167.0 | 149.0 | 131.0 | 95.0 | 58.9 | 36.1 | 25.5 | 20.2 | 16.9 | 14.5 | 11.4 | 9.3 | 4.3 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 243.0 | 216.0 | 190.0 | 137.0 | 86.9 | 53.6 | 38.2 | 30.4 | 25.4 | 21.8 | 17.1 | 14.0 | 6.5 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 313.0 | 273.0 | 240.0 | 179.0 | 114.0 | 70.3 | 50.9 | 40.4 | 33.8 | 29.0 | 22.8 | 18.6 | 8.6 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 440.0 | 389.0 | 340.0 | 262.0 | 168.0 | 105.0 | 76.4 | 60.4 | 50.4 | 43.3 | 34.2 | 27.9 | 12.7 |

A600

| 1.90 V/C – Discharge in A at 20°C | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|------|-----|-----|-----|-----|-----|
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 | NGA6020200HS0FA | 138 | 132 | 110 | 88 | 58 | 46 | 31 | 22 | 18 |
| 5 OPzV 250 | NGA6020250HS0FA | 173 | 165 | 138 | 110 | 73 | 57 | 39 | 28 | 23 |
| 6 OPzV 300 | NGA6020300HS0FA | 208 | 198 | 166 | 132 | 88 | 68 | 47 | 33 | 28 |
| 5 OPzV 350 | NGA6020350HS0FA | 212 | 201 | 173 | 135 | 96 | 78 | 57 | 40 | 34 |
| 6 OPzV 420 | NGA6020420HS0FA | 215 | 203 | 179 | 149 | 109 | 90 | 68 | 48 | 40 |
| 7 OPzV 490 | NGA6020490HS0FA | 218 | 211 | 192 | 163 | 122 | 103 | 79 | 56 | 47 |
| 6 OPzV 600 | NGA6020600HS0FA | 224 | 218 | 204 | 176 | 136 | 117 | 92 | 65 | 55 |
| 8 OPzV 800 | NGA6020800HS0FA | 346 | 330 | 305 | 265 | 194 | 164 | 124 | 87 | 76 |
| 10 OPzV 1000 | NGA6021000HS0FA | 397 | 383 | 361 | 313 | 235 | 202 | 154 | 110 | 96 |
| 12 OPzV 1200 | NGA6021200HS0FA | 448 | 436 | 416 | 361 | 276 | 240 | 184 | 132 | 115 |
| 12 OPzV 1500 | NGA6021500HS0FA | 561 | 547 | 497 | 429 | 334 | 290 | 214 | 156 | 140 |
| 16 OPzV 2000 | NGA6022000HS0FA | 676 | 647 | 597 | 514 | 400 | 329 | 250 | 186 | 158 |
| 20 OPzV 2500 | NGA6022500HS0FA | 811 | 789 | 741 | 657 | 500 | 412 | 312 | 232 | 198 |
| 24 OPzV 3000 | NGA6023000HS0FA | 1094 | 1067 | 1022 | 837 | 650 | 573 | 427 | 309 | 261 |
| 1.87 V/C – Discharge in A at 20°C | | | | | | | | | | |
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 | NGA6020200HS0FA | 157 | 148 | 128 | 95 | 66 | 50 | 34 | 24 | 20 |
| 5 OPzV 250 | NGA6020250HS0FA | 196 | 185 | 160 | 119 | 82 | 63 | 43 | 30 | 25 |
| 6 OPzV 300 | NGA6020300HS0FA | 235 | 222 | 192 | 143 | 98 | 76 | 52 | 36 | 30 |
| 5 OPzV 350 | NGA6020350HS0FA | 238 | 223 | 196 | 155 | 109 | 86 | 63 | 44 | 35 |
| 6 OPzV 420 | NGA6020420HS0FA | 261 | 244 | 215 | 176 | 124 | 100 | 75 | 52 | 42 |
| 7 OPzV 490 | NGA6020490HS0FA | 284 | 264 | 234 | 198 | 140 | 114 | 87 | 61 | 49 |
| 6 OPzV 600 | NGA6020600HS0FA | 304 | 282 | 252 | 220 | 157 | 129 | 101 | 71 | 60 |
| 8 OPzV 800 | NGA6020800HS0FA | 470 | 424 | 363 | 318 | 222 | 181 | 137 | 96 | 78 |
| 10 OPzV 1000 | NGA6021000HS0FA | 485 | 452 | 406 | 369 | 266 | 222 | 171 | 118 | 98 |
| 12 OPzV 1200 | NGA6021200HS0FA | 500 | 480 | 449 | 420 | 309 | 262 | 204 | 140 | 118 |
| 12 OPzV 1500 | NGA6021500HS0FA | 654 | 619 | 557 | 485 | 369 | 315 | 241 | 172 | 147 |
| 16 OPzV 2000 | NGA6022000HS0FA | 884 | 842 | 760 | 608 | 466 | 384 | 289 | 213 | 184 |
| 20 OPzV 2500 | NGA6022500HS0FA | 993 | 957 | 895 | 760 | 583 | 480 | 362 | 266 | 230 |
| 24 OPzV 3000 | NGA6023000HS0FA | 1124 | 1094 | 1044 | 930 | 709 | 614 | 478 | 340 | 288 |
| 1.83 V/C – Discharge in A at 20°C | | | | | | | | | | |
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 | NGA6020200HS0FA | 200 | 180 | 145 | 106 | 73 | 55 | 37 | 25 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 243 | 216 | 181 | 132 | 91 | 68 | 47 | 32 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 292 | 259 | 217 | 158 | 109 | 82 | 56 | 37 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 299 | 267 | 223 | 174 | 122 | 95 | 69 | 45 | 36 |
| 6 OPzV 420 | NGA6020420HS0FA | 359 | 320 | 267 | 209 | 147 | 114 | 82 | 54 | 44 |
| 7 OPzV 490 | NGA6020490HS0FA | 398 | 355 | 291 | 244 | 171 | 133 | 96 | 63 | 51 |
| 6 OPzV 600 | NGA6020600HS0FA | 403 | 357 | 296 | 252 | 181 | 146 | 112 | 78 | 64 |
| 8 OPzV 800 | NGA6020800HS0FA | 551 | 515 | 447 | 352 | 252 | 200 | 151 | 100 | 81 |
| 10 OPzV 1000 | NGA6021000HS0FA | 658 | 601 | 526 | 431 | 312 | 249 | 187 | 122 | 100 |
| 12 OPzV 1200 | NGA6021200HS0FA | 771 | 703 | 591 | 507 | 372 | 298 | 224 | 148 | 121 |
| 12 OPzV 1500 | NGA6021500HS0FA | 801 | 737 | 658 | 552 | 413 | 344 | 266 | 178 | 152 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1009 | 975 | 882 | 737 | 550 | 459 | 355 | 249 | 203 |
| 20 OPzV 2500 | NGA6022500HS0FA | 1334 | 1284 | 1122 | 988 | 700 | 573 | 445 | 310 | 250 |
| 24 OPzV 3000 | NGA6023000HS0FA | 1601 | 1541 | 1347 | 1186 | 839 | 687 | 534 | 367 | 305 |

A600

1.80 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|--------------|-----------------|-------|-------|-------|------|-----|-----|-----|-----|-----|
| 4 OPzV 200 | NGA6020200HS0FA | 224 | 199 | 154 | 114 | 76 | 57 | 38 | 26 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 277 | 248 | 192 | 142 | 95 | 71 | 48 | 32 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 332 | 298 | 230 | 170 | 114 | 85 | 57 | 38 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 340 | 308 | 243 | 188 | 130 | 100 | 71 | 46 | 37 |
| 6 OPzV 420 | NGA6020420HS0FA | 409 | 370 | 292 | 225 | 156 | 120 | 85 | 55 | 45 |
| 7 OPzV 490 | NGA6020490HS0FA | 453 | 410 | 323 | 263 | 182 | 140 | 99 | 64 | 52 |
| 6 OPzV 600 | NGA6020600HS0FA | 457 | 412 | 332 | 272 | 198 | 156 | 115 | 82 | 66 |
| 8 OPzV 800 | NGA6020800HS0FA | 600 | 590 | 501 | 382 | 270 | 211 | 154 | 102 | 82 |
| 10 OPzV 1000 | NGA6021000HS0FA | 729 | 702 | 588 | 464 | 338 | 264 | 193 | 126 | 103 |
| 12 OPzV 1200 | NGA6021200HS0FA | 865 | 806 | 687 | 550 | 407 | 318 | 232 | 151 | 123 |
| 12 OPzV 1500 | NGA6021500HS0FA | 889 | 833 | 737 | 620 | 461 | 372 | 284 | 186 | 155 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1186 | 1125 | 1002 | 827 | 615 | 496 | 379 | 256 | 207 |
| 20 OPzV 2500 | NGA6022500HS0FA | 1451 | 1413 | 1274 | 1079 | 771 | 615 | 469 | 312 | 258 |
| 24 OPzV 3000 | NGA6023000HS0FA | 1742 | 1696 | 1528 | 1295 | 925 | 738 | 562 | 373 | 309 |

1.75 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|--------------|-----------------|-------|-------|-------|------|------|-----|-----|-----|-----|
| 4 OPzV 200 | NGA6020200HS0FA | 261 | 230 | 171 | 122 | 79 | 58 | 39 | 27 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 302 | 287 | 213 | 152 | 98 | 73 | 49 | 33 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 362 | 344 | 256 | 182 | 118 | 87 | 58 | 40 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 365 | 347 | 275 | 204 | 139 | 105 | 72 | 50 | 37 |
| 6 OPzV 420 | NGA6020420HS0FA | 438 | 417 | 330 | 245 | 167 | 126 | 86 | 60 | 45 |
| 7 OPzV 490 | NGA6020490HS0FA | 472 | 448 | 366 | 286 | 195 | 147 | 101 | 67 | 52 |
| 6 OPzV 600 | NGA6020600HS0FA | 477 | 454 | 388 | 302 | 219 | 168 | 118 | 85 | 66 |
| 8 OPzV 800 | NGA6020800HS0FA | 740 | 693 | 580 | 422 | 293 | 223 | 157 | 113 | 82 |
| 10 OPzV 1000 | NGA6021000HS0FA | 887 | 823 | 681 | 515 | 370 | 282 | 197 | 131 | 103 |
| 12 OPzV 1200 | NGA6021200HS0FA | 956 | 903 | 790 | 614 | 450 | 342 | 237 | 165 | 123 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1011 | 995 | 874 | 697 | 521 | 407 | 294 | 197 | 155 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1372 | 1326 | 1165 | 929 | 695 | 543 | 391 | 276 | 207 |
| 20 OPzV 2500 | NGA6022500HS0FA | 1685 | 1658 | 1510 | 1203 | 863 | 668 | 482 | 317 | 258 |
| 24 OPzV 3000 | NGA6023000HS0FA | 2022 | 1989 | 1813 | 1444 | 1035 | 802 | 579 | 378 | 309 |

1.70 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|--------------|-----------------|-------|-------|-------|------|------|-----|-----|-----|-----|
| 4 OPzV 200 | NGA6020200HS0FA | 296 | 257 | 195 | 124 | 79 | 58 | 39 | 28 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 345 | 304 | 244 | 155 | 99 | 73 | 49 | 33 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 414 | 365 | 293 | 186 | 119 | 88 | 59 | 40 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 418 | 374 | 309 | 215 | 144 | 107 | 73 | 51 | 37 |
| 6 OPzV 420 | NGA6020420HS0FA | 493 | 449 | 371 | 258 | 172 | 129 | 87 | 61 | 45 |
| 7 OPzV 490 | NGA6020490HS0FA | 517 | 498 | 411 | 301 | 201 | 150 | 102 | 68 | 52 |
| 6 OPzV 600 | NGA6020600HS0FA | 521 | 504 | 425 | 331 | 232 | 175 | 121 | 86 | 66 |
| 8 OPzV 800 | NGA6020800HS0FA | 856 | 794 | 660 | 459 | 306 | 231 | 159 | 115 | 82 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1018 | 942 | 765 | 564 | 389 | 292 | 199 | 135 | 103 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1112 | 1037 | 869 | 665 | 474 | 354 | 240 | 166 | 123 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1208 | 1147 | 984 | 773 | 564 | 431 | 301 | 206 | 155 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1610 | 1529 | 1312 | 1030 | 752 | 574 | 401 | 284 | 207 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2013 | 1912 | 1640 | 1351 | 926 | 703 | 489 | 324 | 258 |
| 24 OPzV 3000 | NGA6023000HS0FA | 2415 | 2293 | 1993 | 1621 | 1112 | 843 | 587 | 391 | 309 |

A600

| 1.65 V/C – Discharge in A at 20°C | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|------|------|-----|-----|-----|-----|
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 | NGA6020200HS0FA | 325 | 277 | 203 | 125 | 79 | 59 | 39 | 28 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 379 | 329 | 253 | 156 | 99 | 73 | 49 | 33 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 455 | 395 | 304 | 187 | 119 | 88 | 59 | 40 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 464 | 414 | 338 | 224 | 146 | 109 | 73 | 51 | 37 |
| 6 OPzV 420 | NGA6020420HS0FA | 557 | 496 | 406 | 268 | 175 | 130 | 87 | 61 | 45 |
| 7 OPzV 490 | NGA6020490HS0FA | 607 | 550 | 450 | 313 | 204 | 152 | 102 | 68 | 52 |
| 6 OPzV 600 | NGA6020600HS0FA | 611 | 561 | 497 | 356 | 239 | 179 | 121 | 86 | 66 |
| 8 OPzV 800 | NGA6020800HS0FA | 930 | 860 | 712 | 494 | 314 | 235 | 159 | 115 | 82 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1101 | 1020 | 858 | 611 | 398 | 296 | 199 | 135 | 103 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1225 | 1131 | 990 | 726 | 485 | 359 | 240 | 166 | 123 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1332 | 1245 | 1062 | 852 | 593 | 446 | 301 | 206 | 155 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1769 | 1665 | 1421 | 1136 | 790 | 595 | 401 | 284 | 207 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2210 | 2080 | 1812 | 1491 | 966 | 723 | 489 | 324 | 258 |
| 24 OPzV 3000 | NGA6023000HS0FA | 2653 | 2497 | 2131 | 1789 | 1159 | 868 | 587 | 391 | 309 |
| 1.60 V/C – Discharge in A at 20°C | | | | | | | | | | |
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 | NGA6020200HS0FA | 356 | 299 | 212 | 125 | 80 | 59 | 39 | 28 | 21 |
| 5 OPzV 250 | NGA6020250HS0FA | 420 | 360 | 265 | 156 | 100 | 73 | 49 | 33 | 26 |
| 6 OPzV 300 | NGA6020300HS0FA | 504 | 432 | 318 | 187 | 120 | 88 | 59 | 40 | 31 |
| 5 OPzV 350 | NGA6020350HS0FA | 510 | 452 | 355 | 228 | 147 | 109 | 73 | 51 | 37 |
| 6 OPzV 420 | NGA6020420HS0FA | 612 | 542 | 426 | 273 | 177 | 131 | 87 | 61 | 45 |
| 7 OPzV 490 | NGA6020490HS0FA | 673 | 601 | 472 | 319 | 206 | 153 | 102 | 68 | 52 |
| 6 OPzV 600 | NGA6020600HS0FA | 677 | 624 | 522 | 369 | 241 | 180 | 121 | 86 | 66 |
| 8 OPzV 800 | NGA6020800HS0FA | 1059 | 975 | 745 | 511 | 317 | 236 | 159 | 115 | 82 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1252 | 1143 | 908 | 633 | 401 | 298 | 199 | 135 | 103 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1398 | 1287 | 1061 | 754 | 487 | 360 | 240 | 166 | 123 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1536 | 1437 | 1194 | 897 | 606 | 453 | 301 | 206 | 155 |
| 16 OPzV 2000 | NGA6022000HS0FA | 2048 | 1916 | 1592 | 1195 | 808 | 604 | 401 | 284 | 207 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2560 | 2395 | 1990 | 1562 | 982 | 731 | 489 | 324 | 258 |
| 24 OPzV 3000 | NGA6023000HS0FA | 3072 | 2874 | 2388 | 1874 | 1178 | 877 | 587 | 391 | 309 |

A600 WE

1.90 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 4 OPzV 200 WE | NGA6020200HS0FB | 138 | 131 | 107 | 84 | 55 | 42 | 28 | 20 | 17 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 173 | 164 | 134 | 105 | 69 | 52 | 35 | 25 | 21 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 208 | 197 | 161 | 125 | 82 | 63 | 42 | 30 | 26 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 212 | 199 | 167 | 129 | 90 | 72 | 51 | 35 | 30 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 215 | 201 | 173 | 142 | 102 | 83 | 61 | 42 | 36 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 218 | 210 | 187 | 155 | 115 | 95 | 71 | 49 | 42 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 224 | 216 | 198 | 167 | 128 | 108 | 83 | 59 | 51 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 346 | 328 | 296 | 252 | 182 | 151 | 112 | 79 | 68 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 397 | 380 | 350 | 297 | 221 | 186 | 139 | 98 | 85 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 448 | 433 | 404 | 343 | 259 | 221 | 166 | 118 | 102 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 561 | 543 | 482 | 408 | 314 | 267 | 193 | 144 | 128 |

1.87 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 4 OPzV 200 WE | NGA6020200HS0FB | 157 | 147 | 124 | 90 | 62 | 46 | 31 | 21 | 18 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 196 | 184 | 155 | 113 | 77 | 58 | 39 | 27 | 23 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 235 | 220 | 186 | 136 | 92 | 70 | 46 | 32 | 27 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 238 | 222 | 190 | 147 | 102 | 79 | 56 | 38 | 32 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 261 | 242 | 208 | 168 | 117 | 92 | 67 | 45 | 38 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 284 | 262 | 227 | 188 | 132 | 105 | 78 | 53 | 44 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 304 | 280 | 244 | 209 | 148 | 119 | 91 | 63 | 54 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 470 | 421 | 352 | 302 | 209 | 167 | 123 | 85 | 72 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 485 | 449 | 394 | 351 | 250 | 204 | 153 | 106 | 90 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 500 | 476 | 436 | 399 | 290 | 241 | 184 | 127 | 108 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 654 | 614 | 540 | 461 | 347 | 290 | 217 | 155 | 135 |

1.83 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 4 OPzV 200 WE | NGA6020200HS0FB | 200 | 179 | 141 | 100 | 68 | 50 | 33 | 23 | 19 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 243 | 214 | 176 | 125 | 86 | 63 | 42 | 28 | 24 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 292 | 257 | 211 | 150 | 103 | 75 | 50 | 34 | 29 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 299 | 265 | 216 | 165 | 115 | 87 | 62 | 40 | 33 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 359 | 318 | 259 | 199 | 138 | 105 | 74 | 48 | 40 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 398 | 352 | 282 | 232 | 161 | 122 | 86 | 57 | 47 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 403 | 354 | 287 | 239 | 170 | 134 | 101 | 68 | 57 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 551 | 511 | 434 | 334 | 237 | 184 | 136 | 91 | 76 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 658 | 596 | 510 | 410 | 294 | 229 | 169 | 113 | 95 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 771 | 698 | 573 | 482 | 349 | 274 | 202 | 136 | 114 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 801 | 731 | 638 | 525 | 388 | 317 | 240 | 167 | 143 |

A600 WE

| 1.80 V/C – Discharge in A at 20°C | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 WE | NGA6020200HS0FB | 224 | 198 | 149 | 108 | 72 | 52 | 35 | 24 | 20 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 277 | 246 | 186 | 135 | 89 | 65 | 43 | 30 | 25 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 332 | 295 | 223 | 162 | 107 | 78 | 52 | 35 | 30 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 340 | 306 | 236 | 178 | 123 | 92 | 63 | 42 | 35 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 409 | 367 | 283 | 214 | 147 | 110 | 76 | 51 | 42 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 453 | 407 | 313 | 250 | 172 | 129 | 89 | 59 | 49 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 457 | 409 | 323 | 259 | 186 | 143 | 104 | 71 | 60 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 600 | 586 | 486 | 363 | 254 | 194 | 138 | 95 | 80 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 729 | 697 | 570 | 441 | 318 | 243 | 173 | 118 | 100 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 865 | 800 | 666 | 522 | 382 | 293 | 209 | 142 | 120 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 889 | 827 | 715 | 589 | 434 | 342 | 256 | 176 | 150 |

| 1.75 V/C – Discharge in A at 20°C | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 WE | NGA6020200HS0FB | 261 | 228 | 166 | 116 | 74 | 53 | 35 | 24 | 20 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 302 | 285 | 207 | 144 | 92 | 67 | 44 | 30 | 25 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 362 | 342 | 248 | 173 | 111 | 80 | 53 | 36 | 30 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 365 | 345 | 267 | 194 | 131 | 96 | 65 | 43 | 35 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 438 | 414 | 320 | 233 | 157 | 116 | 78 | 51 | 42 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 472 | 445 | 355 | 272 | 183 | 135 | 91 | 60 | 49 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 477 | 451 | 376 | 287 | 206 | 154 | 106 | 72 | 61 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 740 | 688 | 563 | 401 | 275 | 206 | 141 | 96 | 81 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 887 | 817 | 661 | 489 | 348 | 260 | 177 | 120 | 101 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 956 | 896 | 767 | 583 | 423 | 315 | 214 | 144 | 121 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1011 | 988 | 847 | 662 | 490 | 374 | 264 | 180 | 152 |

| 1.70 V/C – Discharge in A at 20°C | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
| 4 OPzV 200 WE | NGA6020200HS0FB | 296 | 255 | 189 | 118 | 74 | 54 | 35 | 24 | 20 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 345 | 302 | 237 | 147 | 93 | 67 | 44 | 30 | 26 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 414 | 362 | 284 | 177 | 112 | 81 | 53 | 36 | 31 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 418 | 371 | 300 | 205 | 135 | 99 | 66 | 43 | 36 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 493 | 446 | 360 | 245 | 162 | 118 | 79 | 52 | 43 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 517 | 494 | 398 | 286 | 189 | 138 | 92 | 60 | 50 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 521 | 500 | 412 | 314 | 218 | 161 | 108 | 73 | 61 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 856 | 788 | 640 | 437 | 288 | 212 | 143 | 97 | 82 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1018 | 935 | 742 | 536 | 366 | 268 | 179 | 121 | 102 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1112 | 1029 | 843 | 632 | 446 | 326 | 216 | 146 | 122 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1208 | 1138 | 954 | 734 | 530 | 396 | 271 | 182 | 153 |

A600 WE

1.65 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 4 OPzV 200 WE | NGA6020200HS0FB | 325 | 275 | 197 | 118 | 75 | 54 | 35 | 24 | 21 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 379 | 327 | 245 | 148 | 93 | 67 | 44 | 30 | 26 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 455 | 392 | 294 | 178 | 112 | 81 | 53 | 36 | 31 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 464 | 411 | 328 | 213 | 137 | 100 | 66 | 43 | 36 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 557 | 493 | 394 | 255 | 165 | 120 | 79 | 52 | 43 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 607 | 546 | 436 | 298 | 192 | 140 | 92 | 61 | 50 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 611 | 557 | 482 | 338 | 225 | 164 | 108 | 73 | 62 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 930 | 854 | 691 | 469 | 295 | 216 | 143 | 97 | 82 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1101 | 1012 | 832 | 580 | 374 | 273 | 179 | 122 | 103 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1225 | 1123 | 961 | 690 | 456 | 330 | 216 | 147 | 124 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1332 | 1236 | 1030 | 809 | 557 | 410 | 271 | 184 | 155 |

1.60 V/C – Discharge in A at 20°C

| Type | Part number | 10min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| 4 OPzV 200 WE | NGA6020200HS0FB | 356 | 297 | 206 | 119 | 75 | 54 | 35 | 24 | 21 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 420 | 357 | 257 | 148 | 94 | 68 | 44 | 30 | 26 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 504 | 429 | 308 | 178 | 113 | 81 | 53 | 37 | 31 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 510 | 449 | 344 | 216 | 139 | 100 | 66 | 44 | 36 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 612 | 538 | 413 | 260 | 166 | 120 | 79 | 52 | 44 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 673 | 597 | 457 | 303 | 194 | 140 | 92 | 61 | 51 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 677 | 619 | 506 | 350 | 227 | 165 | 108 | 74 | 62 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1059 | 968 | 723 | 485 | 298 | 217 | 143 | 98 | 83 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1252 | 1134 | 880 | 602 | 377 | 274 | 179 | 123 | 104 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1398 | 1277 | 1029 | 716 | 458 | 331 | 216 | 148 | 125 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1536 | 1426 | 1158 | 852 | 569 | 416 | 271 | 185 | 156 |

A600 block

| 1.87 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1092 | 978 | 858 | 726 | 490 | 329 | 247 | 200 | 170 | 148 | 118 | 98 | 46 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 1566 | 1422 | 1218 | 1032 | 720 | 491 | 370 | 301 | 255 | 221 | 177 | 146 | 70 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 999 | 915 | 774 | 654 | 468 | 324 | 247 | 201 | 171 | 148 | 118 | 98 | 46 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 1500 | 1341 | 1206 | 918 | 687 | 480 | 372 | 300 | 256 | 222 | 177 | 147 | 69 |

| 1.83 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1236 | 1068 | 984 | 792 | 536 | 347 | 261 | 211 | 179 | 155 | 124 | 101 | 48 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 1788 | 1554 | 1398 | 1146 | 786 | 517 | 392 | 316 | 268 | 233 | 187 | 153 | 71 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 1131 | 999 | 900 | 729 | 516 | 342 | 261 | 211 | 179 | 155 | 124 | 102 | 48 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 1551 | 1374 | 1227 | 1056 | 756 | 507 | 393 | 315 | 268 | 231 | 183 | 153 | 72 |

| 1.80 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1368 | 1188 | 1062 | 834 | 587 | 364 | 276 | 173 | 185 | 160 | 127 | 106 | 49 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 1968 | 1716 | 1548 | 1212 | 864 | 542 | 415 | 329 | 277 | 240 | 191 | 159 | 73 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 1254 | 1098 | 993 | 816 | 567 | 363 | 277 | 220 | 185 | 160 | 128 | 106 | 49 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 1704 | 1533 | 1368 | 1188 | 831 | 537 | 414 | 330 | 277 | 240 | 192 | 159 | 73 |

| 1.75 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1470 | 1314 | 1122 | 894 | 618 | 377 | 280 | 223 | 188 | 163 | 128 | 106 | 49 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 2112 | 1902 | 1578 | 1296 | 912 | 562 | 419 | 335 | 283 | 244 | 193 | 159 | 73 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 1335 | 1206 | 999 | 834 | 597 | 372 | 280 | 224 | 189 | 163 | 129 | 106 | 49 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 1827 | 1695 | 1383 | 1221 | 882 | 549 | 420 | 333 | 284 | 244 | 193 | 159 | 73 |

| 1.70 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1560 | 1422 | 1290 | 972 | 648 | 400 | 284 | 226 | 190 | 163 | 129 | 106 | 49 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 2262 | 2058 | 1848 | 1410 | 948 | 593 | 427 | 339 | 285 | 245 | 193 | 159 | 73 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 1428 | 1314 | 1170 | 918 | 627 | 390 | 284 | 225 | 190 | 163 | 129 | 106 | 49 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 2037 | 1854 | 1650 | 1347 | 921 | 582 | 426 | 336 | 284 | 244 | 193 | 159 | 73 |

| 1.65 V/C – Discharge in W/block at 20°C | | | | | | | | | | | | | | |
|---|-----------------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h |
| 12 V 2 OPzV 100 | NGA6120100HS0FA | 1686 | 1512 | 1344 | 990 | 648 | 400 | 284 | 226 | 190 | 163 | 129 | 106 | 49 |
| 12 V 3 OPzV 150 | NGA6120150HS0FA | 2454 | 2196 | 1944 | 1422 | 948 | 593 | 427 | 339 | 285 | 245 | 193 | 159 | 73 |
| 6 V 4 OPzV 200 | NGA6060200HS0FA | 1575 | 1386 | 1230 | 933 | 627 | 390 | 284 | 225 | 190 | 163 | 129 | 106 | 49 |
| 6 V 6 OPzV 300 | NGA6060300HS0FA | 2211 | 1974 | 1743 | 1368 | 921 | 582 | 426 | 336 | 284 | 244 | 193 | 159 | 73 |

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1.90 V/C – Discharge in W/cell at 20°C

| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
|--------------|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 4 OPzV 200 | NGA6020200HS0FA | 283 | 271 | 252 | 239 | 230 | 212 | 165 | 135 |
| 5 OPzV 250 | NGA6020250HS0FA | 354 | 339 | 315 | 299 | 288 | 265 | 207 | 168 |
| 6 OPzV 300 | NGA6020300HS0FA | 404 | 386 | 360 | 341 | 328 | 302 | 236 | 192 |
| 5 OPzV 350 | NGA6020350HS0FA | 425 | 406 | 379 | 359 | 346 | 318 | 248 | 202 |
| 6 OPzV 420 | NGA6020420HS0FA | 457 | 441 | 410 | 390 | 379 | 357 | 274 | 230 |
| 7 OPzV 490 | NGA6020490HS0FA | 533 | 515 | 478 | 455 | 442 | 417 | 320 | 268 |
| 6 OPzV 600 | NGA6020600HS0FA | 558 | 532 | 500 | 477 | 458 | 420 | 334 | 271 |
| 8 OPzV 800 | NGA6020800HS0FA | 933 | 869 | 783 | 737 | 702 | 653 | 577 | 537 |
| 10 OPzV 1000 | NGA6021000HS0FA | 958 | 897 | 816 | 773 | 740 | 695 | 625 | 580 |
| 12 OPzV 1200 | NGA6021200HS0FA | 983 | 926 | 850 | 809 | 779 | 738 | 673 | 624 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1021 | 968 | 900 | 862 | 837 | 802 | 746 | 688 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1285 | 1233 | 1166 | 1128 | 1103 | 1067 | 1009 | 977 |
| 20 OPzV 2500 | NGA6022500HS0FA | 1606 | 1541 | 1457 | 1411 | 1378 | 1334 | 1261 | 1221 |
| 24 OPzV 3000 | NGA6023000HS0FA | 1927 | 1849 | 1749 | 1693 | 1654 | 1601 | 1514 | 1465 |

1.87 V/C – Discharge in W/cell at 20°C

| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
|--------------|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 4 OPzV 200 | NGA6020200HS0FA | 341 | 323 | 289 | 268 | 252 | 235 | 185 | 149 |
| 5 OPzV 250 | NGA6020250HS0FA | 426 | 404 | 361 | 335 | 315 | 294 | 232 | 186 |
| 6 OPzV 300 | NGA6020300HS0FA | 485 | 461 | 412 | 382 | 359 | 335 | 264 | 212 |
| 5 OPzV 350 | NGA6020350HS0FA | 511 | 485 | 433 | 402 | 378 | 353 | 278 | 223 |
| 6 OPzV 420 | NGA6020420HS0FA | 526 | 488 | 457 | 426 | 404 | 381 | 312 | 252 |
| 7 OPzV 490 | NGA6020490HS0FA | 590 | 569 | 534 | 496 | 472 | 444 | 364 | 294 |
| 6 OPzV 600 | NGA6020600HS0FA | 642 | 611 | 570 | 535 | 508 | 487 | 431 | 348 |
| 8 OPzV 800 | NGA6020800HS0FA | 1086 | 1029 | 921 | 849 | 801 | 738 | 610 | 544 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1122 | 1061 | 960 | 892 | 841 | 780 | 660 | 600 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1157 | 1092 | 1000 | 935 | 881 | 822 | 710 | 657 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1211 | 1140 | 1059 | 999 | 942 | 885 | 785 | 742 |
| 16 OPzV 2000 | NGA6022000HS0FA | 1843 | 1746 | 1649 | 1552 | 1455 | 1358 | 1187 | 1065 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2304 | 2183 | 2061 | 1940 | 1819 | 1698 | 1484 | 1331 |
| 24 OPzV 3000 | NGA6023000HS0FA | 2765 | 2619 | 2474 | 2328 | 2183 | 2037 | 1781 | 1597 |

1.83 V/C – Discharge in W/cell at 20°C

| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
|--------------|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 4 OPzV 200 | NGA6020200HS0FA | 397 | 376 | 349 | 312 | 289 | 259 | 205 | 163 |
| 5 OPzV 250 | NGA6020250HS0FA | 496 | 470 | 436 | 390 | 361 | 323 | 257 | 204 |
| 6 OPzV 300 | NGA6020300HS0FA | 565 | 536 | 497 | 445 | 412 | 369 | 293 | 233 |
| 5 OPzV 350 | NGA6020350HS0FA | 595 | 564 | 523 | 469 | 433 | 388 | 308 | 245 |
| 6 OPzV 420 | NGA6020420HS0FA | 612 | 578 | 539 | 476 | 454 | 417 | 354 | 282 |
| 7 OPzV 490 | NGA6020490HS0FA | 714 | 674 | 607 | 555 | 530 | 486 | 413 | 329 |
| 6 OPzV 600 | NGA6020600HS0FA | 779 | 768 | 717 | 671 | 624 | 560 | 482 | 416 |
| 8 OPzV 800 | NGA6020800HS0FA | 1167 | 1136 | 1066 | 991 | 921 | 829 | 677 | 579 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1295 | 1245 | 1152 | 1066 | 992 | 895 | 739 | 645 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1423 | 1354 | 1238 | 1140 | 1063 | 961 | 801 | 711 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1615 | 1518 | 1368 | 1251 | 1171 | 1060 | 894 | 810 |
| 16 OPzV 2000 | NGA6022000HS0FA | 2086 | 2018 | 1940 | 1843 | 1765 | 1649 | 1406 | 1200 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2607 | 2522 | 2425 | 2304 | 2207 | 2061 | 1758 | 1500 |
| 24 OPzV 3000 | NGA6023000HS0FA | 3128 | 3026 | 2910 | 2765 | 2648 | 2474 | 2109 | 1800 |

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| 1.80 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 | NGA6020200HS0FA | 442 | 420 | 378 | 349 | 320 | 279 | 218 | 172 |
| 5 OPzV 250 | NGA6020250HS0FA | 552 | 525 | 472 | 436 | 400 | 348 | 273 | 215 |
| 6 OPzV 300 | NGA6020300HS0FA | 629 | 599 | 538 | 497 | 456 | 397 | 311 | 245 |
| 5 OPzV 350 | NGA6020350HS0FA | 662 | 630 | 567 | 523 | 480 | 418 | 327 | 258 |
| 6 OPzV 420 | NGA6020420HS0FA | 721 | 687 | 602 | 545 | 502 | 451 | 375 | 302 |
| 7 OPzV 490 | NGA6020490HS0FA | 841 | 802 | 702 | 636 | 586 | 526 | 438 | 352 |
| 6 OPzV 600 | NGA6020600HS0FA | 842 | 816 | 785 | 753 | 705 | 630 | 498 | 449 |
| 8 OPzV 800 | NGA6020800HS0FA | 1239 | 1192 | 1124 | 1067 | 1006 | 892 | 727 | 608 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1412 | 1364 | 1274 | 1203 | 1134 | 1009 | 808 | 686 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1584 | 1536 | 1424 | 1339 | 1263 | 1125 | 889 | 763 |
| 12 OPzV 1500 | NGA6021500HS0FA | 1843 | 1795 | 1649 | 1542 | 1455 | 1300 | 1011 | 880 |
| 16 OPzV 2000 | NGA6022000HS0FA | 2328 | 2241 | 2153 | 2086 | 1989 | 1892 | 1564 | 1296 |
| 20 OPzV 2500 | NGA6022500HS0FA | 2910 | 2801 | 2692 | 2607 | 2486 | 2364 | 1955 | 1620 |
| 24 OPzV 3000 | NGA6023000HS0FA | 3492 | 3361 | 3230 | 3128 | 2983 | 2837 | 2346 | 1944 |
| 1.75 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 | NGA6020200HS0FA | 485 | 473 | 429 | 390 | 370 | 313 | 235 | 182 |
| 5 OPzV 250 | NGA6020250HS0FA | 607 | 592 | 536 | 488 | 462 | 392 | 293 | 227 |
| 6 OPzV 300 | NGA6020300HS0FA | 692 | 675 | 611 | 556 | 517 | 446 | 334 | 259 |
| 5 OPzV 350 | NGA6020350HS0FA | 728 | 710 | 643 | 585 | 555 | 470 | 352 | 273 |
| 6 OPzV 420 | NGA6020420HS0FA | 787 | 754 | 698 | 630 | 578 | 494 | 391 | 325 |
| 7 OPzV 490 | NGA6020490HS0FA | 918 | 880 | 814 | 735 | 674 | 576 | 457 | 380 |
| 6 OPzV 600 | NGA6020600HS0FA | 945 | 935 | 884 | 835 | 807 | 728 | 551 | 482 |
| 8 OPzV 800 | NGA6020800HS0FA | 1464 | 1432 | 1328 | 1242 | 1187 | 1041 | 783 | 648 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1642 | 1597 | 1484 | 1391 | 1324 | 1181 | 897 | 744 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1819 | 1761 | 1639 | 1540 | 1462 | 1322 | 1010 | 840 |
| 12 OPzV 1500 | NGA6021500HS0FA | 2086 | 2008 | 1872 | 1764 | 1668 | 1533 | 1181 | 984 |
| 16 OPzV 2000 | NGA6022000HS0FA | 2596 | 2525 | 2435 | 2347 | 2289 | 2134 | 1803 | 1452 |
| 20 OPzV 2500 | NGA6022500HS0FA | 3245 | 3156 | 3043 | 2934 | 2862 | 2668 | 2254 | 1815 |
| 24 OPzV 3000 | NGA6023000HS0FA | 3894 | 3787 | 3652 | 3521 | 3434 | 3201 | 2704 | 2178 |
| 1.70 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 | NGA6020200HS0FA | 543 | 515 | 473 | 430 | 393 | 343 | 245 | 186 |
| 5 OPzV 250 | NGA6020250HS0FA | 679 | 644 | 591 | 538 | 491 | 428 | 306 | 233 |
| 6 OPzV 300 | NGA6020300HS0FA | 774 | 734 | 674 | 613 | 560 | 488 | 349 | 266 |
| 5 OPzV 350 | NGA6020350HS0FA | 815 | 772 | 709 | 646 | 589 | 514 | 367 | 280 |
| 6 OPzV 420 | NGA6020420HS0FA | 914 | 866 | 786 | 727 | 671 | 567 | 411 | 335 |
| 7 OPzV 490 | NGA6020490HS0FA | 1066 | 1010 | 917 | 848 | 783 | 662 | 479 | 391 |
| 6 OPzV 600 | NGA6020600HS0FA | 1103 | 1050 | 982 | 938 | 874 | 806 | 596 | 492 |
| 8 OPzV 800 | NGA6020800HS0FA | 1625 | 1559 | 1478 | 1384 | 1284 | 1155 | 827 | 674 |
| 10 OPzV 1000 | NGA6021000HS0FA | 1807 | 1745 | 1642 | 1546 | 1444 | 1307 | 971 | 788 |
| 12 OPzV 1200 | NGA6021200HS0FA | 1989 | 1932 | 1806 | 1707 | 1603 | 1460 | 1115 | 902 |
| 12 OPzV 1500 | NGA6021500HS0FA | 2263 | 2212 | 2052 | 1950 | 1843 | 1688 | 1330 | 1073 |
| 16 OPzV 2000 | NGA6022000HS0FA | 2761 | 2716 | 2638 | 2551 | 2483 | 2335 | 1965 | 1571 |
| 20 OPzV 2500 | NGA6022500HS0FA | 3451 | 3395 | 3298 | 3189 | 3104 | 2919 | 2456 | 1963 |
| 24 OPzV 3000 | NGA6023000HS0FA | 4000 | 4000 | 3958 | 3827 | 3725 | 3503 | 2948 | 2356 |

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1.65 V/C – Discharge in W/cell at 20°C

| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
|--------------|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 4 OPzV 200 | NGA6020200HS0FA | 605 | 573 | 511 | 469 | 421 | 363 | 249 | 187 |
| 5 OPzV 250 | NGA6020250HS0FA | 756 | 716 | 639 | 586 | 526 | 454 | 311 | 234 |
| 6 OPzV 300 | NGA6020300HS0FA | 862 | 816 | 728 | 668 | 600 | 517 | 354 | 267 |
| 5 OPzV 350 | NGA6020350HS0FA | 907 | 859 | 767 | 703 | 632 | 544 | 373 | 281 |
| 6 OPzV 420 | NGA6020420HS0FA | 971 | 938 | 852 | 788 | 731 | 617 | 425 | 340 |
| 7 OPzV 490 | NGA6020490HS0FA | 1133 | 1094 | 994 | 919 | 853 | 720 | 495 | 396 |
| 6 OPzV 600 | NGA6020600HS0FA | 1162 | 1136 | 1074 | 1002 | 966 | 846 | 629 | 498 |
| 8 OPzV 800 | NGA6020800HS0FA | 1830 | 1767 | 1589 | 1491 | 1390 | 1233 | 856 | 687 |
| 10 OPzV 1000 | NGA6021000HS0FA | 2045 | 1977 | 1798 | 1685 | 1572 | 1416 | 1026 | 817 |
| 12 OPzV 1200 | NGA6021200HS0FA | 2261 | 2187 | 2007 | 1879 | 1755 | 1599 | 1196 | 947 |
| 12 OPzV 1500 | NGA6021500HS0FA | 2500 | 2500 | 2320 | 2170 | 2028 | 1874 | 1451 | 1141 |
| 16 OPzV 2000 | NGA6022000HS0FA | 3000 | 3000 | 2910 | 2813 | 2716 | 2516 | 2090 | 1654 |
| 20 OPzV 2500 | NGA6022500HS0FA | 3839 | 3752 | 3638 | 3516 | 3395 | 3145 | 2612 | 2068 |
| 24 OPzV 3000 | NGA6023000HS0FA | 4000 | 4000 | 4000 | 4000 | 4000 | 3775 | 3134 | 2481 |

1.60 V/C – Discharge in W/cell at 20°C

| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
|--------------|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 4 OPzV 200 | NGA6020200HS0FA | 641 | 616 | 539 | 491 | 443 | 373 | 250 | 188 |
| 5 OPzV 250 | NGA6020250HS0FA | 801 | 770 | 674 | 614 | 554 | 466 | 312 | 235 |
| 6 OPzV 300 | NGA6020300HS0FA | 913 | 878 | 768 | 700 | 632 | 531 | 356 | 267 |
| 5 OPzV 350 | NGA6020350HS0FA | 961 | 924 | 809 | 737 | 665 | 559 | 374 | 281 |
| 6 OPzV 420 | NGA6020420HS0FA | 1048 | 1008 | 915 | 826 | 769 | 647 | 432 | 341 |
| 7 OPzV 490 | NGA6020490HS0FA | 1222 | 1176 | 1068 | 963 | 897 | 755 | 504 | 398 |
| 6 OPzV 600 | NGA6020600HS0FA | 1299 | 1255 | 1152 | 1077 | 1002 | 897 | 650 | 501 |
| 8 OPzV 800 | NGA6020800HS0FA | 2033 | 1909 | 1743 | 1573 | 1482 | 1273 | 874 | 694 |
| 10 OPzV 1000 | NGA6021000HS0FA | 2248 | 2141 | 1965 | 1794 | 1692 | 1470 | 1058 | 835 |
| 12 OPzV 1200 | NGA6021200HS0FA | 2462 | 2372 | 2188 | 2015 | 1901 | 1666 | 1243 | 975 |
| 12 OPzV 1500 | NGA6021500HS0FA | 2500 | 2500 | 2500 | 2346 | 2216 | 1960 | 1519 | 1186 |
| 16 OPzV 2000 | NGA6022000HS0FA | 3000 | 3000 | 2996 | 2920 | 2852 | 2694 | 2207 | 1716 |
| 20 OPzV 2500 | NGA6022500HS0FA | 3989 | 3880 | 3745 | 3650 | 3565 | 3368 | 2759 | 2145 |
| 24 OPzV 3000 | NGA6023000HS0FA | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 3310 | 2574 |

A600 WE

| 1.90 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 283 | 271 | 252 | 239 | 230 | 212 | 165 | 135 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 354 | 339 | 315 | 299 | 288 | 265 | 207 | 168 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 404 | 386 | 360 | 341 | 328 | 302 | 236 | 192 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 425 | 406 | 379 | 359 | 346 | 318 | 248 | 202 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 457 | 441 | 410 | 390 | 379 | 357 | 274 | 230 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 533 | 515 | 478 | 455 | 442 | 417 | 320 | 268 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 558 | 532 | 500 | 477 | 458 | 420 | 334 | 271 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 933 | 869 | 783 | 737 | 702 | 653 | 577 | 537 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 958 | 897 | 816 | 773 | 740 | 695 | 625 | 580 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 983 | 926 | 850 | 809 | 779 | 738 | 673 | 624 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1021 | 968 | 900 | 862 | 837 | 802 | 746 | 688 |

| 1.87 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 341 | 323 | 289 | 268 | 252 | 235 | 185 | 149 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 426 | 404 | 361 | 335 | 315 | 294 | 232 | 186 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 485 | 461 | 412 | 382 | 359 | 335 | 264 | 212 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 511 | 485 | 433 | 402 | 378 | 353 | 278 | 223 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 526 | 488 | 457 | 426 | 404 | 381 | 312 | 252 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 590 | 569 | 534 | 496 | 472 | 444 | 364 | 294 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 642 | 611 | 570 | 535 | 508 | 487 | 431 | 348 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1086 | 1029 | 921 | 849 | 801 | 738 | 610 | 544 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1122 | 1061 | 960 | 892 | 841 | 780 | 660 | 600 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1157 | 1092 | 1000 | 935 | 881 | 822 | 710 | 657 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1211 | 1140 | 1059 | 999 | 942 | 885 | 785 | 742 |

| 1.83 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 397 | 376 | 349 | 312 | 289 | 259 | 205 | 163 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 496 | 470 | 436 | 390 | 361 | 323 | 257 | 204 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 565 | 536 | 497 | 445 | 412 | 369 | 293 | 233 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 595 | 564 | 523 | 469 | 433 | 388 | 308 | 245 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 612 | 578 | 539 | 476 | 454 | 417 | 354 | 282 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 714 | 674 | 607 | 555 | 530 | 486 | 413 | 329 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 779 | 768 | 717 | 671 | 624 | 560 | 482 | 416 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1167 | 1136 | 1066 | 991 | 921 | 829 | 677 | 579 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1295 | 1245 | 1152 | 1066 | 992 | 895 | 739 | 645 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1423 | 1354 | 1238 | 1140 | 1063 | 961 | 801 | 711 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1615 | 1518 | 1368 | 1251 | 1171 | 1060 | 894 | 810 |

A600 WE

| 1.80 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|---|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 442 | 420 | 378 | 349 | 320 | 279 | 218 | 172 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 552 | 525 | 472 | 436 | 400 | 348 | 273 | 215 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 629 | 599 | 538 | 497 | 456 | 397 | 311 | 245 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 662 | 630 | 567 | 523 | 480 | 418 | 327 | 258 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 721 | 687 | 602 | 545 | 502 | 451 | 375 | 302 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 841 | 802 | 702 | 636 | 586 | 526 | 438 | 352 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 842 | 816 | 785 | 753 | 705 | 630 | 498 | 449 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1239 | 1192 | 1124 | 1067 | 1006 | 892 | 727 | 608 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1412 | 1364 | 1274 | 1203 | 1134 | 1009 | 808 | 686 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1584 | 1536 | 1424 | 1339 | 1263 | 1125 | 889 | 763 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 1843 | 1795 | 1649 | 1542 | 1455 | 1300 | 1011 | 880 |

| 1.75 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|---|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 485 | 473 | 429 | 390 | 370 | 313 | 235 | 182 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 607 | 592 | 536 | 488 | 462 | 392 | 293 | 227 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 692 | 675 | 611 | 556 | 517 | 446 | 334 | 259 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 728 | 710 | 643 | 585 | 555 | 470 | 352 | 273 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 787 | 754 | 698 | 630 | 578 | 494 | 391 | 325 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 918 | 880 | 814 | 735 | 674 | 576 | 457 | 380 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 945 | 935 | 884 | 835 | 807 | 728 | 551 | 482 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1464 | 1432 | 1328 | 1242 | 1187 | 1041 | 783 | 648 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1642 | 1597 | 1484 | 1391 | 1324 | 1181 | 897 | 744 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1819 | 1761 | 1639 | 1540 | 1462 | 1322 | 1010 | 840 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 2086 | 2008 | 1872 | 1764 | 1668 | 1533 | 1181 | 984 |

| 1.70 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|---|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 543 | 515 | 473 | 430 | 393 | 343 | 245 | 186 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 679 | 644 | 591 | 538 | 491 | 428 | 306 | 233 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 774 | 734 | 674 | 613 | 560 | 488 | 349 | 266 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 815 | 772 | 709 | 646 | 589 | 514 | 367 | 280 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 914 | 866 | 786 | 727 | 671 | 567 | 411 | 335 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 1066 | 1010 | 917 | 848 | 783 | 662 | 479 | 391 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 1103 | 1050 | 982 | 938 | 874 | 806 | 596 | 492 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1625 | 1559 | 1478 | 1384 | 1284 | 1155 | 827 | 674 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 1807 | 1745 | 1642 | 1546 | 1444 | 1307 | 971 | 788 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 1989 | 1932 | 1806 | 1707 | 1603 | 1460 | 1115 | 902 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 2263 | 2212 | 2052 | 1950 | 1843 | 1688 | 1330 | 1073 |

A600 WE

| 1.65 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 605 | 573 | 511 | 469 | 421 | 363 | 249 | 187 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 756 | 716 | 639 | 586 | 526 | 454 | 311 | 234 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 862 | 816 | 728 | 668 | 600 | 517 | 354 | 267 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 907 | 859 | 767 | 703 | 632 | 544 | 373 | 281 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 971 | 938 | 852 | 788 | 731 | 617 | 425 | 340 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 1133 | 1094 | 994 | 919 | 853 | 720 | 495 | 396 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 1162 | 1136 | 1074 | 1002 | 966 | 846 | 629 | 498 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 1830 | 1767 | 1589 | 1491 | 1390 | 1233 | 856 | 687 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 2045 | 1977 | 1798 | 1685 | 1572 | 1416 | 1026 | 817 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 2261 | 2187 | 2007 | 1879 | 1755 | 1599 | 1196 | 947 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 2500 | 2500 | 2320 | 2170 | 2028 | 1874 | 1451 | 1141 |

| 1.60 V/C – Discharge in W/cell at 20°C | | | | | | | | | |
|--|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 5min | 10min | 15min | 20min | 30min | 60min | 90min |
| 4 OPzV 200 WE | NGA6020200HS0FB | 641 | 616 | 539 | 491 | 443 | 373 | 250 | 188 |
| 5 OPzV 250 WE | NGA6020250HS0FB | 801 | 770 | 674 | 614 | 554 | 466 | 312 | 235 |
| 6 OPzV 300 WE | NGA6020300HS0FB | 913 | 878 | 768 | 700 | 632 | 531 | 356 | 267 |
| 5 OPzV 350 WE | NGA6020350HS0FB | 961 | 924 | 809 | 737 | 665 | 559 | 374 | 281 |
| 6 OPzV 420 WE | NGA6020420HS0FB | 1048 | 1008 | 915 | 826 | 769 | 647 | 432 | 341 |
| 7 OPzV 490 WE | NGA6020490HS0FB | 1222 | 1176 | 1068 | 963 | 897 | 755 | 504 | 398 |
| 6 OPzV 600 WE | NGA6020600HS0FB | 1299 | 1255 | 1152 | 1077 | 1002 | 897 | 650 | 501 |
| 8 OPzV 800 WE | NGA6020800HS0FB | 2033 | 1909 | 1743 | 1573 | 1482 | 1273 | 874 | 694 |
| 10 OPzV 1000 WE | NGA6021000HS0FB | 2248 | 2141 | 1965 | 1794 | 1692 | 1470 | 1058 | 835 |
| 12 OPzV 1200 WE | NGA6021200HS0FB | 2462 | 2372 | 2188 | 2015 | 1901 | 1666 | 1243 | 975 |
| 12 OPzV 1500 WE | NGA6021500HS0FB | 2500 | 2500 | 2500 | 2346 | 2216 | 1960 | 1519 | 1186 |

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