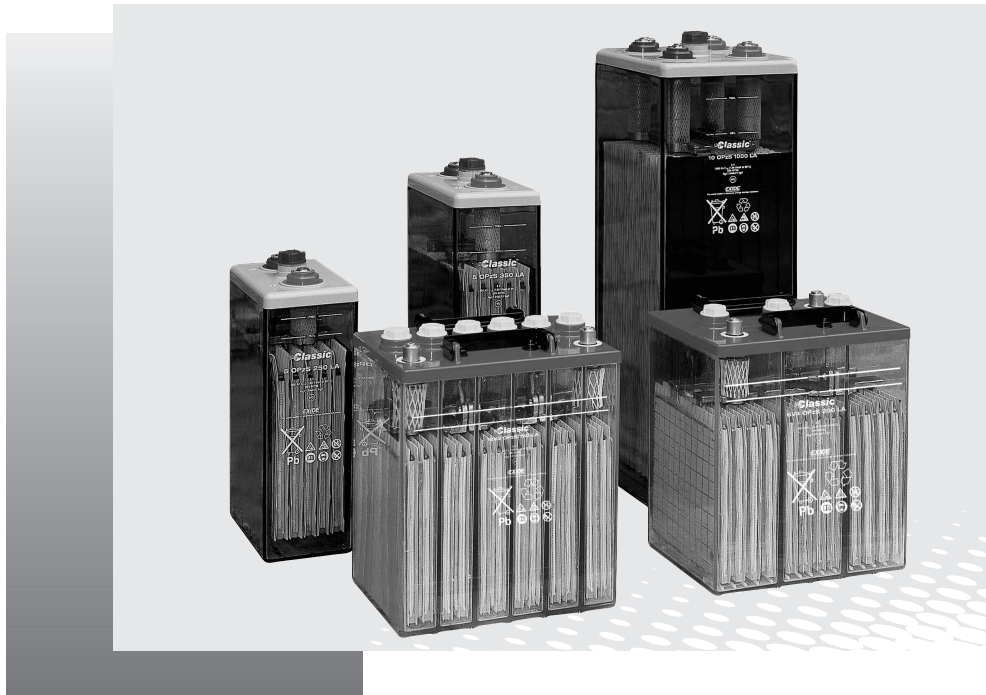




Industrial Batteries – Classic OPzS
Energy storage for economical safety.

Specifications

- Classic OPzS batteries have been proven energy suppliers for decades, which captivate in robustness, extreme long design life and reliability
- Very high operational reliability under rough operating conditions
- Low maintenance due to reduced antimony in the alloy and high electrolyte reserve
- Nominal capacities from 50 Ah to 3350 Ah C₁₀; up to 12000 Ah on request
- 15 years design life at 20°C ambient temperature (80% remaining capacity from C₁₀)
- Also designed for cyclic applications
- Containers made from high-quality transparent SAN plastics
- Tubular plates in bloc and single cell version
- Also available in dry charged condition with separate electrolyte
- Low gassing due to antimony alloy < 3% (VDE 0510 T2)
- Conforms to DIN 40736 and DIN 40737 T3
- Electrolyte: diluted sulphuric acid $d_N = 1.24 \text{ kg/l}$
- Optimised plate design produces increased capacities compared to DIN
- Completely recyclable



Applications

Classic OPzS batteries are robust energy storage solutions, with proven technology that has been relied upon for decades in applications such as Telecommunications, power supply and power distribution, data, alarm security systems and emergency lighting as well as all other power supplies for safety systems.



| | | | |
|----------------------------------|---|--|--------------------|
| | | | |
| Tubular plate | Nominal capacity 50 - 12000 Ah | Bloc battery | Single cell |
| | | | |
| Design Life: 15 years | Low maintenance | 2000 cycles acc. to IEC 896-1 | Recyclable |

OPzS bloc

| Type acc. to DIN 40 737 T3 | Part number | Nominal voltage V | Nominal capacity C_{10} 1.8 V/C 20°C Ah | Length (l) max. mm | Width (b/w) max. mm | Height (h*) max. mm | Installed length (B/L) mm | Weight bloc including acid ca. kg | Weight acid** ca. kg | Internal resistance m Ω | Short circuit current A | Terminal | Pole pairs |
|----------------------------|-----------------|----------------------|---|--------------------------|---------------------------|---------------------------|------------------------------|--------------------------------------|-------------------------|----------------------------|----------------------------|----------|------------|
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 12 | 50 | 275 | 208 | 385 | 285 | 35 | 15 | 18.18 | 688 | F-M8 | 1 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 12 | 100 | 275 | 208 | 385 | 285 | 45 | 14 | 9.26 | 1314 | F-M8 | 1 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 12 | 150 | 383 | 208 | 385 | 393 | 64 | 19 | 6.46 | 1884 | F-M8 | 1 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 6 | 200 | 275 | 208 | 385 | 285 | 41 | 13 | 2.68 | 2283 | F-M8 | 1 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 6 | 250 | 383 | 208 | 385 | 393 | 56 | 20 | 2.39 | 2800 | F-M8 | 1 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 6 | 300 | 383 | 208 | 385 | 393 | 63 | 20 | 1.96 | 3106 | F-M8 | 1 |

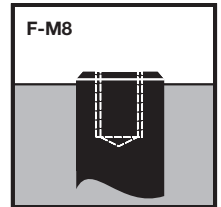
* The above mentioned height can differ depending on the used vent(s)

** Acid density $d_N = 1.24 \text{ kg/l}$

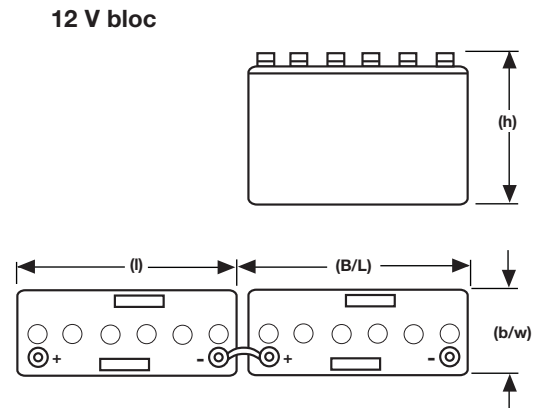
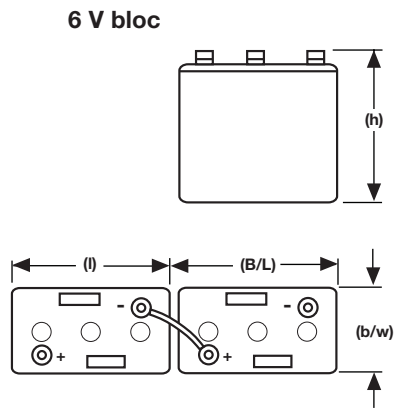
Data are also valid for dry charged version.
Change „W“ (Wet) to „D“ (Dry) in the part number.
E.g.:
filled and charged NVZS120050**W**C0FA
dry charged NVZS120050**D**C0FA

Container, terminal and torque

Container: SAN (Styrolacrylnitril)



20 Nm

Drawings with terminal position


Not to scale!

OPzS cell

| Type acc. to DIN 40 736 T1 | Part number | Nominal voltage | Nominal capacity C ₁₀ 1.8 V/C 20°C | Length (l) | Width (b/w) | Height (h*) | Installed length (B/L) | Weight cell including acid | Weight acid** | Internal resistance | Short circuit current | Terminal | Pole pairs |
|----------------------------|-----------------|-----------------|---|------------|-------------|-------------|------------------------|----------------------------|---------------|---------------------|-----------------------|----------|------------|
| | | V | Ah | max. mm | max. mm | max. mm | mm | ca. kg | ca. kg | m Ω | A | | |
| 2 OPzS 100 LA | NVZS020100WC0FA | 2 | 125 | 105 | 208 | 405 | 115 | 13.7 | 5.2 | 1.45 | 1400 | F-M8 | 1 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 2 | 165 | 105 | 208 | 405 | 115 | 15.2 | 5.0 | 1.05 | 1950 | F-M8 | 1 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 2 | 210 | 105 | 208 | 405 | 115 | 16.6 | 4.6 | 0.83 | 2450 | F-M8 | 1 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 2 | 260 | 126 | 208 | 405 | 136 | 20.0 | 5.8 | 0.72 | 2850 | F-M8 | 1 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 2 | 310 | 147 | 208 | 405 | 157 | 23.3 | 6.9 | 0.63 | 3250 | F-M8 | 1 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 2 | 380 | 126 | 208 | 520 | 136 | 26.7 | 8.1 | 0.63 | 3250 | F-M8 | 1 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 2 | 455 | 147 | 208 | 520 | 157 | 31.0 | 9.3 | 0.56 | 3650 | F-M8 | 1 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 2 | 530 | 168 | 208 | 520 | 178 | 35.4 | 10.8 | 0.50 | 4100 | F-M8 | 1 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 2 | 680 | 147 | 208 | 695 | 157 | 43.9 | 13.0 | 0.47 | 4350 | F-M8 | 1 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 2 | 750 | 147 | 208 | 695 | 157 | 47.2 | 12.8 | 0.43 | 4800 | F-M8 | 1 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 2 | 910 | 215 | 193 | 695 | 225 | 59.9 | 17.1 | 0.30 | 6800 | F-M8 | 2 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 2 | 980 | 215 | 193 | 695 | 225 | 63.4 | 16.8 | 0.27 | 7500 | F-M8 | 2 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 2 | 1140 | 215 | 235 | 695 | 225 | 73.2 | 21.7 | 0.26 | 7900 | F-M8 | 2 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 2 | 1370 | 215 | 277 | 695 | 225 | 86.4 | 26.1 | 0.23 | 8900 | F-M8 | 2 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 2 | 1700 | 215 | 277 | 845 | 225 | 108.0 | 33.7 | 0.24 | 8500 | F-M8 | 2 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 2 | 1800 | 215 | 277 | 845 | 225 | 114.0 | 32.7 | 0.22 | 9300 | F-M8 | 2 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 2 | 2250 | 215 | 400 | 815 | 225 | 151.0 | 50.0 | 0.16 | 12800 | F-M8 | 3 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 2 | 2450 | 215 | 400 | 815 | 225 | 158.0 | 48.0 | 0.14 | 14600 | F-M8 | 3 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 2 | 2800 | 215 | 490 | 815 | 225 | 184.0 | 60.0 | 0.12 | 17000 | F-M8 | 4 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 2 | 3000 | 215 | 490 | 815 | 225 | 191.0 | 58.0 | 0.11 | 17800 | F-M8 | 4 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 2 | 3350 | 215 | 580 | 815 | 225 | 217.0 | 71.0 | 0.11 | 18600 | F-M8 | 4 |

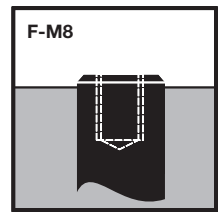
* The above mentioned height can differ depending on the used vent(s)

** Acid density $d_N = 1.24 \text{ kg/l}$

Data are also valid for dry charged version.
 Change „W“ (Wet) to „D“ (Dry)
 in the part number.
 E.g.:
 filled and charged NVZS020200 **W** C0FA
 dry charged NVZS020200 **D** C0FA

Container, terminal and torque

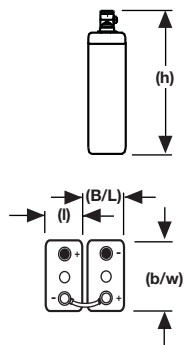
Container: SAN (Styrolacrylnitril)



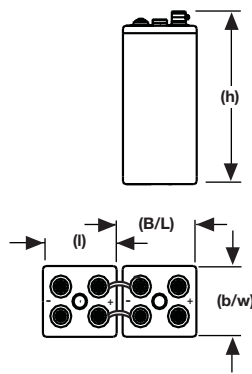
20 Nm

Drawings with terminal position

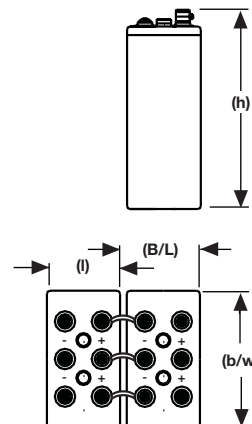
2 OPzS 100 up to 7 OPzS 700



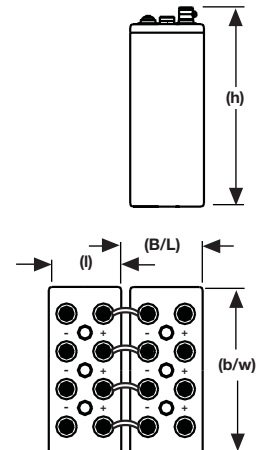
8 OPzS 800 up to 14 OPzS 1750



16 OPzS 2000 up to 18 OPzS 2250



20 OPzS 2500 up to 24 OPzS 3000



Not to scale!

OPzS bloc

| 1.90 V/C – Discharge in A at 20°C | | | | | | | | | | | | | |
|--|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 32.0 | 29.0 | 25.0 | 21.3 | 16.1 | 11.7 | 9.7 | 8.2 | 7.0 | 6.3 | 5.6 | 5.0 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 66.5 | 58.0 | 52.2 | 41.5 | 31.5 | 24.5 | 17.4 | 15.0 | 13.7 | 12.5 | 10.6 | 8.9 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 99.0 | 84.0 | 76.0 | 64.0 | 47.2 | 34.1 | 26.4 | 22.3 | 19.7 | 17.7 | 14.6 | 12.0 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 120.0 | 105.0 | 96.0 | 85.0 | 62.0 | 46.0 | 35.3 | 30.0 | 26.7 | 24.1 | 19.8 | 16.1 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 145.0 | 132.0 | 122.0 | 102.0 | 70.0 | 56.0 | 43.5 | 34.0 | 32.0 | 29.0 | 25.2 | 21.7 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 160.0 | 147.0 | 136.0 | 118.0 | 91.0 | 66.0 | 53.0 | 45.3 | 39.0 | 34.0 | 28.0 | 24.5 |

| 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 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 40.0 | 35.0 | 31.0 | 25.5 | 19.4 | 13.6 | 11.2 | 9.3 | 8.2 | 7.2 | 6.0 | 5.5 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 80.0 | 70.0 | 62.0 | 50.0 | 37.9 | 27.2 | 19.9 | 16.9 | 15.2 | 13.7 | 11.5 | 9.5 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 120.0 | 102.0 | 90.0 | 75.0 | 55.0 | 39.5 | 30.0 | 25.4 | 22.0 | 19.8 | 16.4 | 13.8 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 150.0 | 132.0 | 120.0 | 100.0 | 72.4 | 52.0 | 40.0 | 33.2 | 29.4 | 26.8 | 22.2 | 18.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 180.0 | 161.0 | 140.0 | 118.0 | 88.7 | 63.2 | 50.0 | 42.0 | 36.7 | 33.4 | 28.1 | 23.3 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 195.0 | 176.0 | 160.0 | 135.0 | 104.0 | 76.5 | 59.2 | 51.0 | 44.0 | 38.0 | 32.0 | 27.0 |

| 1.85 V/C – Discharge in A at 20°C | | | | | | | | | | | | | |
|--|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 44.0 | 39.0 | 35.0 | 28.2 | 21.0 | 14.2 | 11.7 | 9.8 | 8.5 | 7.5 | 6.3 | 5.6 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 87.5 | 78.0 | 69.5 | 55.0 | 41.0 | 28.8 | 21.4 | 17.8 | 15.6 | 14.3 | 11.8 | 9.7 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 130.0 | 112.0 | 102.5 | 81.0 | 59.8 | 42.0 | 31.5 | 27.1 | 23.0 | 20.7 | 17.1 | 14.2 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 162.0 | 145.0 | 135.0 | 110.0 | 78.7 | 55.5 | 42.2 | 35.0 | 30.8 | 28.1 | 23.3 | 18.7 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 193.0 | 175.0 | 155.0 | 126.0 | 93.4 | 67.0 | 52.5 | 44.5 | 38.2 | 35.1 | 29.3 | 23.7 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 216.0 | 195.0 | 177.0 | 147.0 | 113.5 | 79.0 | 62.0 | 54.0 | 46.0 | 40.5 | 33.7 | 28.0 |

| 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 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 48.0 | 43.0 | 39.0 | 31.0 | 22.8 | 15.3 | 12.2 | 10.2 | 8.8 | 7.8 | 6.5 | 5.8 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 95.0 | 85.0 | 77.0 | 60.0 | 44.0 | 30.6 | 22.8 | 18.6 | 16.1 | 14.6 | 12.1 | 10.0 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 140.0 | 122.0 | 115.0 | 87.0 | 64.6 | 44.4 | 33.4 | 28.3 | 24.1 | 21.6 | 17.9 | 14.6 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 175.0 | 158.0 | 150.0 | 120.0 | 85.0 | 59.1 | 44.5 | 36.7 | 32.3 | 29.2 | 24.0 | 19.5 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 207.0 | 190.0 | 171.0 | 135.0 | 102.0 | 71.4 | 55.0 | 46.5 | 40.3 | 36.3 | 30.2 | 24.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 237.0 | 213.0 | 195.0 | 160.0 | 123.0 | 85.7 | 66.3 | 56.5 | 48.3 | 42.5 | 34.8 | 29.0 |

| 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 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 57.0 | 49.0 | 44.0 | 34.0 | 25.2 | 17.1 | 13.5 | 11.0 | 9.5 | 8.2 | 6.9 | 5.9 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 110.0 | 96.0 | 85.0 | 66.0 | 49.0 | 32.3 | 24.1 | 19.6 | 17.1 | 15.4 | 12.5 | 10.1 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 160.0 | 135.0 | 120.0 | 95.0 | 70.4 | 47.1 | 36.0 | 29.8 | 25.7 | 22.7 | 18.6 | 15.0 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 205.0 | 178.0 | 160.0 | 130.0 | 92.0 | 61.3 | 47.5 | 38.5 | 34.9 | 30.4 | 25.0 | 20.3 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 240.0 | 212.0 | 190.0 | 150.0 | 110.0 | 74.5 | 59.2 | 49.0 | 42.8 | 37.8 | 31.2 | 25.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 260.0 | 240.0 | 218.0 | 177.0 | 135.0 | 89.3 | 70.4 | 59.5 | 51.0 | 44.5 | 35.8 | 30.3 |

OPzS bloc

| 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 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 65.0 | 56.0 | 48.0 | 36.0 | 26.5 | 18.4 | 14.0 | 11.6 | 9.8 | 8.6 | 7.2 | 6.2 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 125.0 | 109.0 | 95.0 | 71.0 | 51.3 | 34.0 | 25.9 | 20.8 | 18.2 | 16.2 | 13.0 | 10.2 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 185.0 | 155.0 | 136.0 | 102.0 | 73.4 | 50.0 | 37.5 | 31.2 | 27.0 | 24.0 | 19.4 | 15.3 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 235.0 | 206.0 | 185.0 | 140.0 | 97.9 | 66.0 | 50.0 | 40.5 | 35.8 | 31.2 | 25.7 | 20.4 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 285.0 | 250.0 | 220.0 | 165.0 | 120.0 | 81.0 | 62.0 | 51.0 | 44.0 | 39.1 | 32.3 | 26.1 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 340.0 | 295.0 | 260.0 | 200.0 | 143.0 | 98.3 | 74.5 | 62.0 | 52.5 | 45.8 | 36.8 | 30.6 |

| 1.70 V/C – Discharge in A at 20°C | | | | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Typ | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 75.0 | 62.0 | 54.0 | 39.0 | 27.3 | 18.5 | 14.4 | 11.8 | 10.0 | 8.7 | 7.3 | 6.3 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 145.0 | 122.0 | 106.0 | 78.0 | 54.0 | 35.0 | 26.7 | 21.3 | 18.8 | 16.6 | 13.3 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 210.0 | 174.0 | 155.0 | 115.0 | 79.3 | 52.0 | 38.6 | 32.0 | 28.2 | 24.8 | 19.9 | 15.6 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 270.0 | 232.0 | 208.0 | 155.0 | 108.0 | 68.0 | 51.6 | 41.5 | 37.5 | 31.7 | 26.0 | 20.8 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 340.0 | 287.0 | 255.0 | 183.0 | 131.0 | 84.0 | 63.5 | 52.3 | 45.0 | 40.1 | 33.0 | 26.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 380.0 | 333.0 | 295.0 | 220.0 | 159.0 | 103.0 | 77.0 | 63.6 | 53.5 | 46.4 | 37.3 | 31.2 |

| 1.67 V/C – Discharge in A at 20°C | | | | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Typ | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 80.0 | 66.0 | 56.0 | 40.0 | 27.7 | 18.7 | 14.5 | 11.9 | 10.0 | 8.8 | 7.3 | 6.3 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 156.0 | 130.0 | 111.0 | 81.0 | 55.0 | 35.3 | 26.8 | 21.6 | 18.9 | 16.8 | 13.4 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 229.0 | 186.0 | 163.0 | 118.0 | 82.0 | 52.6 | 39.0 | 32.2 | 28.5 | 25.2 | 20.1 | 15.7 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 293.0 | 247.0 | 219.0 | 160.0 | 111.0 | 68.5 | 52.5 | 41.8 | 36.1 | 32.0 | 26.1 | 21.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 362.0 | 307.0 | 268.0 | 193.0 | 133.0 | 84.5 | 63.9 | 52.6 | 45.6 | 40.5 | 33.3 | 26.6 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 417.0 | 355.0 | 315.0 | 231.0 | 163.0 | 105.0 | 78.0 | 64.1 | 54.0 | 46.6 | 37.5 | 31.3 |

| 1.65 V/C – Discharge in A at 20°C | | | | | | | | | | | | | |
|-----------------------------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| Typ | Part number | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 12V 1 OPzS 50 LA | NVZS120050WC0FA | 83.0 | 68.0 | 58.0 | 41.0 | 27.9 | 18.8 | 14.5 | 11.9 | 10.0 | 8.8 | 7.3 | 6.3 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FA | 162.0 | 135.0 | 115.0 | 83.0 | 55.5 | 35.5 | 26.9 | 21.7 | 19.0 | 16.9 | 13.5 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FA | 240.0 | 193.0 | 168.0 | 120.0 | 83.0 | 53.0 | 39.2 | 32.4 | 28.6 | 25.5 | 20.2 | 15.7 |
| 6V 4 OPzS 200 LA | NVZS060200WC0FA | 307.0 | 258.0 | 226.0 | 163.0 | 113.0 | 69.0 | 52.9 | 42.0 | 36.2 | 32.2 | 26.2 | 21.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FA | 380.0 | 320.0 | 278.0 | 189.0 | 135.0 | 85.0 | 64.1 | 52.8 | 46.0 | 40.8 | 33.4 | 26.6 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FA | 435.0 | 369.0 | 326.0 | 237.0 | 165.0 | 106.0 | 78.5 | 64.4 | 54.2 | 46.8 | 37.6 | 31.3 |

OPzS cell

| 1.87 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|--|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 82.4 | 81.1 | 76.0 | 71.5 | 65.2 | 51.2 | 42.7 | 36.3 | 28.6 | 23.4 | 20.0 | 14.1 | 11.7 | 6.3 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 106.0 | 105.0 | 98.5 | 91.6 | 83.4 | 66.2 | 55.3 | 47.5 | 37.3 | 30.6 | 26.2 | 18.6 | 15.4 | 8.4 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 135.0 | 134.0 | 125.0 | 118.0 | 107.0 | 84.3 | 70.4 | 60.4 | 47.5 | 39.0 | 33.3 | 23.7 | 19.7 | 10.6 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 163.0 | 161.0 | 151.0 | 142.0 | 130.0 | 103.0 | 86.3 | 74.5 | 58.2 | 47.9 | 41.1 | 29.2 | 24.3 | 13.2 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 189.0 | 186.0 | 175.0 | 166.0 | 152.0 | 121.0 | 102.0 | 88.4 | 68.7 | 56.5 | 48.7 | 34.7 | 29.0 | 15.7 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 190.0 | 187.0 | 180.0 | 174.0 | 160.0 | 135.0 | 115.0 | 99.8 | 79.8 | 66.5 | 57.8 | 41.7 | 34.8 | 19.3 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 216.0 | 214.0 | 207.0 | 201.0 | 186.0 | 157.0 | 135.0 | 118.0 | 95.6 | 79.7 | 69.2 | 50.0 | 41.7 | 23.1 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 247.0 | 245.0 | 236.0 | 229.0 | 213.0 | 179.0 | 156.0 | 136.0 | 111.0 | 92.5 | 80.6 | 58.2 | 48.5 | 26.9 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 279.0 | 277.0 | 267.0 | 257.0 | 239.0 | 207.0 | 181.0 | 163.0 | 131.0 | 111.0 | 98.5 | 72.9 | 62.3 | 34.5 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 307.0 | 305.0 | 295.0 | 284.0 | 264.0 | 228.0 | 200.0 | 179.0 | 144.0 | 123.0 | 109.0 | 80.4 | 68.7 | 38.0 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 403.0 | 396.0 | 378.0 | 365.0 | 337.0 | 290.0 | 252.0 | 222.0 | 178.0 | 152.0 | 134.0 | 98.1 | 83.4 | 46.1 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 430.0 | 427.0 | 407.0 | 393.0 | 363.0 | 312.0 | 271.0 | 239.0 | 192.0 | 164.0 | 144.0 | 106.0 | 89.8 | 49.7 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 484.0 | 480.0 | 461.0 | 444.0 | 412.0 | 355.0 | 309.0 | 276.0 | 221.0 | 188.0 | 167.0 | 123.0 | 104.0 | 57.8 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 562.0 | 558.0 | 538.0 | 518.0 | 482.0 | 416.0 | 365.0 | 328.0 | 264.0 | 225.0 | 198.0 | 147.0 | 125.0 | 69.5 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 522.0 | 521.0 | 511.0 | 498.0 | 479.0 | 419.0 | 385.0 | 352.0 | 297.0 | 257.0 | 230.0 | 173.0 | 148.0 | 79.8 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 553.0 | 552.0 | 541.0 | 532.0 | 508.0 | 444.0 | 408.0 | 372.0 | 314.0 | 272.0 | 245.0 | 183.0 | 157.0 | 84.5 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 754.0 | 752.0 | 731.0 | 712.0 | 676.0 | 578.0 | 525.0 | 473.0 | 392.0 | 339.0 | 305.0 | 229.0 | 196.0 | 105.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 791.0 | 789.0 | 769.0 | 748.0 | 712.0 | 615.0 | 561.0 | 507.0 | 427.0 | 370.0 | 333.0 | 249.0 | 213.0 | 115.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 937.0 | 936.0 | 910.0 | 885.0 | 779.0 | 720.0 | 654.0 | 589.0 | 488.0 | 423.0 | 380.0 | 284.0 | 244.0 | 132.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 1005.0 | 1005.0 | 976.0 | 949.0 | 903.0 | 771.0 | 700.0 | 631.0 | 523.0 | 453.0 | 407.0 | 305.0 | 262.0 | 141.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 1080.0 | 1075.0 | 1050.0 | 1020.0 | 972.0 | 841.0 | 766.0 | 693.0 | 584.0 | 506.0 | 455.0 | 340.0 | 292.0 | 157.0 |

| 1.85 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|--|-----------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 93.4 | 91.2 | 84.5 | 79.7 | 71.4 | 54.8 | 45.5 | 38.5 | 30.2 | 24.6 | 21.0 | 14.6 | 12.3 | 6.6 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 121.0 | 118.0 | 110.0 | 101.0 | 90.8 | 71.0 | 58.9 | 50.3 | 39.4 | 32.2 | 27.4 | 19.3 | 16.2 | 8.7 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 153.0 | 150.0 | 139.0 | 131.0 | 118.0 | 90.3 | 75.0 | 64.1 | 50.2 | 41.0 | 34.9 | 24.6 | 20.6 | 11.0 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 185.0 | 181.0 | 168.0 | 159.0 | 143.0 | 110.0 | 92.0 | 79.0 | 61.5 | 50.3 | 42.9 | 30.3 | 25.5 | 13.7 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 215.0 | 210.0 | 195.0 | 185.0 | 167.0 | 130.0 | 109.0 | 93.7 | 72.6 | 59.4 | 50.9 | 35.9 | 30.4 | 16.3 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 215.0 | 211.0 | 202.0 | 194.0 | 178.0 | 148.0 | 124.0 | 107.0 | 84.4 | 70.2 | 60.8 | 43.7 | 36.5 | 20.0 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 244.0 | 240.0 | 232.0 | 224.0 | 207.0 | 172.0 | 146.0 | 127.0 | 101.0 | 84.0 | 72.8 | 52.3 | 43.7 | 23.9 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 279.0 | 274.0 | 265.0 | 256.0 | 237.0 | 196.0 | 168.0 | 147.0 | 118.0 | 98.1 | 84.8 | 61.0 | 50.9 | 27.8 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 313.0 | 309.0 | 296.0 | 286.0 | 265.0 | 228.0 | 198.0 | 177.0 | 140.0 | 118.0 | 103.0 | 76.2 | 65.3 | 35.7 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 345.0 | 341.0 | 327.0 | 315.0 | 293.0 | 251.0 | 218.0 | 195.0 | 155.0 | 130.0 | 114.0 | 84.0 | 72.0 | 39.4 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 457.0 | 446.0 | 422.0 | 405.0 | 373.0 | 318.0 | 275.0 | 241.0 | 191.0 | 161.0 | 141.0 | 103.0 | 87.4 | 47.8 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 486.0 | 480.0 | 455.0 | 436.0 | 402.0 | 342.0 | 296.0 | 260.0 | 206.0 | 173.0 | 152.0 | 111.0 | 94.1 | 51.5 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 546.0 | 539.0 | 513.0 | 493.0 | 456.0 | 390.0 | 338.0 | 299.0 | 237.0 | 199.0 | 175.0 | 128.0 | 109.0 | 59.9 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 631.0 | 623.0 | 597.0 | 575.0 | 534.0 | 459.0 | 399.0 | 356.0 | 282.0 | 237.0 | 208.0 | 153.0 | 132.0 | 71.9 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 599.0 | 596.0 | 583.0 | 568.0 | 544.0 | 469.0 | 428.0 | 388.0 | 323.0 | 277.0 | 246.0 | 184.0 | 156.0 | 85.0 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 635.0 | 632.0 | 617.0 | 602.0 | 576.0 | 497.0 | 454.0 | 410.0 | 342.0 | 293.0 | 261.0 | 194.0 | 166.0 | 90.0 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 865.0 | 861.0 | 835.0 | 811.0 | 768.0 | 648.0 | 585.0 | 522.0 | 427.0 | 366.0 | 326.0 | 243.0 | 207.0 | 112.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 908.0 | 903.0 | 878.0 | 853.0 | 808.0 | 688.0 | 623.0 | 559.0 | 465.0 | 399.0 | 355.0 | 265.0 | 225.0 | 122.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 1075.0 | 1070.0 | 1040.0 | 1010.0 | 956.0 | 806.0 | 728.0 | 649.0 | 532.0 | 456.0 | 406.0 | 302.0 | 258.0 | 140.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 1155.0 | 1150.0 | 1115.0 | 1080.0 | 1025.0 | 864.0 | 779.0 | 695.0 | 570.0 | 489.0 | 435.0 | 324.0 | 276.0 | 150.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 1240.0 | 1235.0 | 1200.0 | 1165.0 | 1100.0 | 942.0 | 852.0 | 764.0 | 636.0 | 546.0 | 486.0 | 362.0 | 308.0 | 167.0 |

OPzS cell

| 1.83 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 104 | 101 | 93.0 | 86.9 | 76.8 | 57.5 | 47.4 | 39.9 | 31.2 | 25.4 | 21.6 | 14.9 | 12.5 | 6.7 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 134 | 130 | 120.0 | 110.0 | 97.4 | 74.3 | 61.3 | 52.2 | 40.8 | 33.2 | 28.2 | 19.6 | 16.4 | 8.9 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 171 | 166 | 153.0 | 143.0 | 126.0 | 94.7 | 78.0 | 66.4 | 52.0 | 42.4 | 36.0 | 25.0 | 20.9 | 11.3 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 207 | 201 | 185.0 | 173.0 | 154.0 | 116.0 | 95.7 | 81.9 | 63.7 | 52.0 | 44.3 | 30.8 | 25.9 | 14.0 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 241 | 231 | 215.0 | 201.0 | 180.0 | 136.0 | 113.0 | 97.3 | 75.2 | 61.4 | 52.5 | 36.5 | 30.9 | 16.7 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 238 | 232 | 221.0 | 213.0 | 194.0 | 158.0 | 131.0 | 113.0 | 87.9 | 72.6 | 62.5 | 44.5 | 37.1 | 20.3 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 272 | 265 | 255.0 | 245.0 | 225.0 | 183.0 | 154.0 | 133.0 | 105.0 | 86.8 | 74.8 | 53.2 | 44.4 | 24.3 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 310 | 303 | 291.0 | 280.0 | 257.0 | 209.0 | 178.0 | 154.0 | 123.0 | 102.0 | 87.1 | 62.0 | 51.7 | 28.4 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 347 | 341 | 325.0 | 312.0 | 289.0 | 245.0 | 211.0 | 187.0 | 147.0 | 123.0 | 107.0 | 77.8 | 66.4 | 36.4 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 382 | 376 | 359.0 | 344.0 | 319.0 | 270.0 | 233.0 | 206.0 | 162.0 | 135.0 | 118.0 | 85.8 | 73.2 | 40.1 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 505 | 493 | 464.0 | 443.0 | 407.0 | 342.0 | 292.0 | 255.0 | 199.0 | 166.0 | 145.0 | 105.0 | 88.8 | 48.7 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 540 | 531 | 500.0 | 477.0 | 438.0 | 368.0 | 315.0 | 275.0 | 214.0 | 179.0 | 157.0 | 113.0 | 95.6 | 52.4 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 605 | 595 | 563.0 | 539.0 | 497.0 | 420.0 | 360.0 | 317.0 | 248.0 | 207.0 | 180.0 | 131.0 | 111.0 | 61.0 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 698 | 686 | 655.0 | 629.0 | 583.0 | 494.0 | 426.0 | 376.0 | 295.0 | 247.0 | 215.0 | 157.0 | 134.0 | 73.3 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 673 | 668 | 652.0 | 633.0 | 602.0 | 513.0 | 465.0 | 418.0 | 343.0 | 292.0 | 258.0 | 191.0 | 162.0 | 88.3 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 713 | 708 | 691.0 | 671.0 | 638.0 | 543.0 | 493.0 | 442.0 | 364.0 | 310.0 | 274.0 | 201.0 | 172.0 | 93.4 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 973 | 966 | 934.0 | 904.0 | 850.0 | 708.0 | 634.0 | 562.0 | 454.0 | 387.0 | 342.0 | 252.0 | 214.0 | 116.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 1015 | 1010 | 982.0 | 951.0 | 894.0 | 752.0 | 677.0 | 602.0 | 495.0 | 421.0 | 373.0 | 275.0 | 233.0 | 127.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 1205 | 1200 | 1165.0 | 1125.0 | 1060.0 | 881.0 | 790.0 | 700.0 | 566.0 | 482.0 | 426.0 | 313.0 | 267.0 | 145.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 1295 | 1285 | 1245.0 | 1205.0 | 1135.0 | 944.0 | 846.0 | 750.0 | 606.0 | 516.0 | 457.0 | 336.0 | 286.0 | 156.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 1390 | 1380 | 1345.0 | 1300.0 | 1220.0 | 1030.0 | 924.0 | 825.0 | 675.0 | 575.0 | 510.0 | 375.0 | 319.0 | 174.0 |

| 1.80 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| Type | Part number | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 122 | 116 | 106 | 97.7 | 84.8 | 61.5 | 50.1 | 42.0 | 32.8 | 26.6 | 22.6 | 15.3 | 12.8 | 7.0 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 155 | 148 | 135 | 124.0 | 107.0 | 79.2 | 64.8 | 54.9 | 42.9 | 34.8 | 29.5 | 20.1 | 16.8 | 9.2 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 199 | 190 | 174 | 161.0 | 140.0 | 101.0 | 82.5 | 69.9 | 54.6 | 44.4 | 37.6 | 25.6 | 21.4 | 11.8 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 241 | 230 | 211 | 195.0 | 170.0 | 124.0 | 101.0 | 86.3 | 66.9 | 54.5 | 46.3 | 31.6 | 26.5 | 14.6 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 281 | 268 | 245 | 227.0 | 199.0 | 146.0 | 120.0 | 103.0 | 79.0 | 64.3 | 54.9 | 37.4 | 31.6 | 17.4 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 273 | 264 | 251 | 240.0 | 216.0 | 172.0 | 141.0 | 120.0 | 93.1 | 76.2 | 65.0 | 45.6 | 38.0 | 20.9 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 314 | 303 | 289 | 277.0 | 252.0 | 200.0 | 166.0 | 142.0 | 111.0 | 90.9 | 77.8 | 54.6 | 45.5 | 25.0 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 358 | 346 | 330 | 316.0 | 287.0 | 229.0 | 192.0 | 164.0 | 130.0 | 106.4 | 90.6 | 63.6 | 53.0 | 29.2 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 398 | 388 | 368 | 352.0 | 325.0 | 271.0 | 232.0 | 202.0 | 156.0 | 129.0 | 112.0 | 80.2 | 68.0 | 37.4 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 439 | 428 | 406 | 389.0 | 359.0 | 299.0 | 256.0 | 223.0 | 173.0 | 144.0 | 123.0 | 88.5 | 75.0 | 41.3 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 572 | 564 | 528 | 501.0 | 457.0 | 378.0 | 319.0 | 277.0 | 211.0 | 175.0 | 152.0 | 108.0 | 91.0 | 50.1 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 623 | 608 | 568 | 539.0 | 492.0 | 407.0 | 343.0 | 298.0 | 227.0 | 188.0 | 164.0 | 117.0 | 98.0 | 53.9 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 695 | 678 | 639 | 609.0 | 559.0 | 464.0 | 394.0 | 343.0 | 263.0 | 218.0 | 189.0 | 135.0 | 114.0 | 62.7 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 800 | 781 | 741 | 710.0 | 655.0 | 547.0 | 467.0 | 407.0 | 315.0 | 261.0 | 225.0 | 162.0 | 137.0 | 75.4 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 785 | 777 | 756 | 731.0 | 690.0 | 578.0 | 520.0 | 462.0 | 374.0 | 316.0 | 277.0 | 201.0 | 170.0 | 93.2 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 831 | 823 | 801 | 774.0 | 731.0 | 612.0 | 551.0 | 490.0 | 396.0 | 334.0 | 293.0 | 212.0 | 180.0 | 98.6 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 1135 | 1125 | 1080 | 1040.0 | 974.0 | 798.0 | 709.0 | 622.0 | 495.0 | 418.0 | 367.0 | 265.0 | 225.0 | 123.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 1185 | 1175 | 1140 | 1095.0 | 1025.0 | 848.0 | 757.0 | 666.0 | 539.0 | 455.0 | 399.0 | 289.0 | 245.0 | 134.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 1390 | 1375 | 1345 | 1300.0 | 1210.0 | 993.0 | 884.0 | 775.0 | 616.0 | 520.0 | 456.0 | 330.0 | 280.0 | 153.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 1510 | 1495 | 1445 | 1390.0 | 1300.0 | 1065.0 | 946.0 | 830.0 | 660.0 | 557.0 | 489.0 | 354.0 | 300.0 | 164.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 1620 | 1605 | 1555 | 1500.0 | 1400.0 | 1160.0 | 1035.0 | 911.0 | 737.0 | 622.0 | 546.0 | 395.0 | 335.0 | 184.0 |

OPzS cell

| 1.75 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Typ | Sachnummer | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 147 | 137 | 125 | 113 | 96.1 | 66.4 | 52.9 | 44.2 | 34.3 | 27.7 | 23.5 | 15.9 | 13.1 | 7.2 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 188 | 175 | 158 | 144 | 122.0 | 85.3 | 68.5 | 57.8 | 44.9 | 36.4 | 30.7 | 21.0 | 17.3 | 9.5 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 243 | 226 | 205 | 186 | 158.0 | 109.0 | 87.2 | 73.5 | 57.1 | 46.3 | 39.1 | 26.7 | 22.1 | 12.1 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 294 | 274 | 249 | 225 | 193.0 | 134.0 | 107.0 | 90.8 | 70.0 | 56.8 | 48.1 | 32.9 | 27.3 | 15.0 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 343 | 319 | 290 | 263 | 226.0 | 158.0 | 127.0 | 108.0 | 82.6 | 67.0 | 57.1 | 39.0 | 32.6 | 17.8 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 333 | 316 | 296 | 281 | 247.0 | 190.0 | 153.0 | 129.0 | 97.3 | 79.7 | 68.0 | 47.1 | 39.1 | 21.5 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 383 | 364 | 341 | 323 | 288.0 | 221.0 | 180.0 | 152.0 | 116.0 | 95.0 | 81.4 | 56.4 | 46.9 | 25.7 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 438 | 416 | 390 | 369 | 328.0 | 252.0 | 207.0 | 176.0 | 136.0 | 111.0 | 94.9 | 65.7 | 54.6 | 29.9 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 480 | 462 | 437 | 416 | 381.0 | 306.0 | 258.0 | 220.0 | 167.0 | 136.0 | 116.0 | 83.0 | 70.0 | 38.4 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 530 | 510 | 482 | 459 | 420.0 | 338.0 | 285.0 | 242.0 | 184.0 | 150.0 | 128.0 | 91.5 | 77.3 | 42.4 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 703 | 677 | 630 | 592 | 534.0 | 430.0 | 353.0 | 303.0 | 226.0 | 184.0 | 157.0 | 112.0 | 92.8 | 51.4 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 758 | 730 | 678 | 637 | 575.0 | 463.0 | 380.0 | 326.0 | 243.0 | 198.0 | 170.0 | 121.0 | 100.0 | 55.4 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 843 | 812 | 761 | 719 | 654.0 | 526.0 | 438.0 | 374.0 | 281.0 | 229.0 | 196.0 | 140.0 | 117.0 | 64.4 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 968 | 932 | 881 | 838 | 767.0 | 617.0 | 521.0 | 443.0 | 336.0 | 273.0 | 233.0 | 167.0 | 141.0 | 77.4 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 966 | 952 | 923 | 884 | 824.0 | 676.0 | 598.0 | 524.0 | 413.0 | 346.0 | 301.0 | 212.0 | 178.0 | 97.4 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 1025 | 1010 | 977 | 936 | 873.0 | 716.0 | 634.0 | 554.0 | 437.0 | 366.0 | 319.0 | 225.0 | 188.0 | 103.0 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 1395 | 1375 | 1320 | 1260 | 1165.0 | 933.0 | 817.0 | 705.0 | 547.0 | 458.0 | 398.0 | 281.0 | 235.0 | 129.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 1460 | 1440 | 1390 | 1325 | 1225.0 | 993.0 | 871.0 | 755.0 | 595.0 | 498.0 | 434.0 | 306.0 | 256.0 | 141.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 1735 | 1710 | 1645 | 1565 | 1450.0 | 1165.0 | 1015.0 | 877.0 | 680.0 | 569.0 | 496.0 | 350.0 | 293.0 | 161.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 1855 | 1830 | 1765 | 1680 | 1550.0 | 1245.0 | 1090.0 | 940.0 | 729.0 | 610.0 | 531.0 | 375.0 | 313.0 | 172.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 2000 | 1970 | 1900 | 1810 | 1675.0 | 1360.0 | 1190.0 | 1030.0 | 814.0 | 681.0 | 593.0 | 419.0 | 350.0 | 192.0 |

| 1.70 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Typ | Sachnummer | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 173 | 157 | 139 | 125 | 105 | 69.7 | 54.8 | 45.2 | 35.2 | 28.3 | 23.9 | 16.0 | 13.3 | 7.3 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 220 | 200 | 177 | 160 | 134 | 89.4 | 71.0 | 59.1 | 46.0 | 37.0 | 31.2 | 21.1 | 17.5 | 9.6 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 284 | 258 | 229 | 206 | 172 | 115.0 | 90.3 | 75.2 | 58.6 | 47.3 | 39.7 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 344 | 313 | 278 | 250 | 210 | 141.0 | 111.0 | 93.0 | 71.8 | 57.9 | 48.9 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 403 | 366 | 325 | 292 | 247 | 166.0 | 132.0 | 111.0 | 84.8 | 68.4 | 58.0 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 394 | 368 | 339 | 316 | 274 | 202.0 | 161.0 | 134.0 | 100.0 | 81.4 | 69.5 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 453 | 423 | 390 | 364 | 319 | 235.0 | 189.0 | 158.0 | 120.0 | 97.7 | 83.3 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 517 | 483 | 446 | 416 | 364 | 269.0 | 218.0 | 183.0 | 140.0 | 114.0 | 97.0 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 562 | 535 | 507 | 479 | 433 | 337.0 | 279.0 | 233.0 | 173.0 | 139.0 | 118.0 | 84.3 | 70.7 | 39.1 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 619 | 590 | 559 | 528 | 478 | 371.0 | 308.0 | 257.0 | 191.0 | 154.0 | 130.0 | 93.0 | 78.0 | 43.1 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 824 | 785 | 728 | 678 | 606 | 471.0 | 379.0 | 322.0 | 237.0 | 190.0 | 160.0 | 114.0 | 94.6 | 52.3 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 888 | 846 | 784 | 730 | 653 | 508.0 | 409.0 | 347.0 | 255.0 | 204.0 | 172.0 | 123.0 | 102.0 | 56.4 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 988 | 941 | 881 | 826 | 743 | 577.0 | 471.0 | 397.0 | 294.0 | 237.0 | 199.0 | 142.0 | 119.0 | 65.6 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 1135 | 1080 | 1020 | 964 | 873 | 678.0 | 562.0 | 469.0 | 349.0 | 281.0 | 237.0 | 170.0 | 142.0 | 78.8 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 1145 | 1125 | 1085 | 1030 | 950 | 768.0 | 665.0 | 573.0 | 442.0 | 367.0 | 318.0 | 219.0 | 182.0 | 100.0 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 1215 | 1190 | 1150 | 1090 | 1005 | 814.0 | 704.0 | 607.0 | 468.0 | 389.0 | 337.0 | 232.0 | 193.0 | 106.0 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 1655 | 1625 | 1555 | 1470 | 1345 | 1060.0 | 907.0 | 771.0 | 585.0 | 486.0 | 421.0 | 290.0 | 241.0 | 132.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 1735 | 1700 | 1635 | 1545 | 1410 | 1125.0 | 968.0 | 826.0 | 637.0 | 529.0 | 458.0 | 316.0 | 262.0 | 144.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 2060 | 2020 | 1930 | 1830 | 1670 | 1320.0 | 1130.0 | 960.0 | 728.0 | 605.0 | 524.0 | 361.0 | 300.0 | 165.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 2205 | 2165 | 2070 | 1960 | 1785 | 1415.0 | 1210.0 | 1025.0 | 780.0 | 648.0 | 561.0 | 387.0 | 321.0 | 176.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 2375 | 2330 | 2230 | 2115 | 1930 | 1540.0 | 1325.0 | 1130.0 | 871.0 | 723.0 | 626.0 | 432.0 | 358.0 | 197.0 |

OPzS cell

| 1.65 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Typ | Sachnummer | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 196 | 174 | 151 | 135 | 111 | 71.8 | 55.8 | 46.4 | 35.7 | 28.6 | 24.1 | 16.0 | 13.3 | 7.3 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 249 | 221 | 194 | 172 | 142 | 91.7 | 72.3 | 60.1 | 46.7 | 37.5 | 31.5 | 21.1 | 17.5 | 9.6 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 322 | 286 | 249 | 222 | 182 | 118.0 | 92.0 | 76.4 | 59.4 | 47.7 | 40.1 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 392 | 348 | 303 | 270 | 222 | 145.0 | 113.0 | 94.6 | 72.8 | 58.6 | 49.4 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 458 | 407 | 355 | 315 | 261 | 171.0 | 134.0 | 113.0 | 86.0 | 69.3 | 58.6 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 454 | 417 | 379 | 349 | 297 | 211.0 | 167.0 | 137.0 | 103.0 | 82.9 | 69.9 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 522 | 480 | 437 | 402 | 346 | 246.0 | 196.0 | 162.0 | 123.0 | 99.1 | 83.7 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 596 | 548 | 499 | 459 | 395 | 280.0 | 226.0 | 187.0 | 143.0 | 115.0 | 97.5 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 643 | 605 | 576 | 541 | 482 | 364.0 | 294.0 | 243.0 | 177.0 | 141.0 | 119.0 | 86.4 | 71.4 | 39.4 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 710 | 668 | 635 | 596 | 532 | 401.0 | 324.0 | 269.0 | 196.0 | 156.0 | 131.0 | 95.3 | 78.8 | 43.5 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 945 | 890 | 824 | 760 | 673 | 502.0 | 399.0 | 335.0 | 244.0 | 194.0 | 162.0 | 116.0 | 95.6 | 52.8 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 1015 | 958 | 887 | 818 | 725 | 541.0 | 430.0 | 361.0 | 263.0 | 209.0 | 174.0 | 124.0 | 103.0 | 56.8 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 1130 | 1065 | 999 | 929 | 826 | 620.0 | 496.0 | 414.0 | 302.0 | 241.0 | 201.0 | 145.0 | 120.0 | 66.1 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 1295 | 1220 | 1160 | 1090 | 971 | 733.0 | 592.0 | 490.0 | 358.0 | 286.0 | 240.0 | 174.0 | 144.0 | 79.5 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 1330 | 1300 | 1240 | 1175 | 1070 | 853.0 | 721.0 | 612.0 | 462.0 | 382.0 | 330.0 | 223.0 | 184.0 | 101.0 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 1410 | 1375 | 1315 | 1245 | 1135 | 904.0 | 763.0 | 648.0 | 490.0 | 405.0 | 349.0 | 236.0 | 194.0 | 107.0 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 1920 | 1875 | 1775 | 1675 | 1510 | 1180.0 | 984.0 | 824.0 | 612.0 | 506.0 | 436.0 | 295.0 | 243.0 | 133.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 2015 | 1965 | 1870 | 1765 | 1590 | 1250.0 | 1050.0 | 882.0 | 666.0 | 550.0 | 475.0 | 321.0 | 265.0 | 145.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 2390 | 2335 | 2215 | 2090 | 1885 | 1465.0 | 1220.0 | 1025.0 | 762.0 | 630.0 | 543.0 | 367.0 | 302.0 | 166.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 2555 | 2495 | 2370 | 2235 | 2015 | 1570.0 | 1310.0 | 1100.0 | 815.0 | 674.0 | 582.0 | 393.0 | 324.0 | 178.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 2755 | 2690 | 2555 | 2415 | 2175 | 1710.0 | 1435.0 | 1205.0 | 911.0 | 753.0 | 650.0 | 439.0 | 362.0 | 199.0 |

| 1.60 V/C – Discharge in A at 20°C | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------|------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Typ | Sachnummer | 3min | 10min | 15min | 20min | 30min | 1h | 1h30 | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
| 2 OPzS 100 LA | NVZS020100WC0FA | 216 | 188 | 162 | 143 | 116 | 73.3 | 56.4 | 46.5 | 36.0 | 29.4 | 24.0 | 16.0 | 13.3 | 7.3 |
| 3 OPzS 150 LA | NVZS020150WC0FA | 275 | 239 | 207 | 182 | 147 | 93.4 | 72.9 | 60.7 | 47.0 | 37.3 | 31.4 | 21.1 | 17.5 | 9.6 |
| 4 OPzS 200 LA | NVZS020200WC0FA | 355 | 309 | 267 | 235 | 190 | 121.0 | 92.8 | 77.3 | 59.9 | 47.6 | 39.9 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 LA | NVZS020250WC0FA | 434 | 377 | 325 | 286 | 232 | 148.0 | 114.0 | 95.7 | 73.4 | 58.3 | 49.2 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 LA | NVZS020300WC0FA | 508 | 442 | 381 | 335 | 272 | 176.0 | 136.0 | 114.0 | 86.6 | 68.8 | 58.3 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 LA | NVZS020350WC0FA | 515 | 466 | 418 | 377 | 319 | 217.0 | 171.0 | 139.0 | 105.0 | 83.4 | 69.2 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 LA | NVZS020420WC0FA | 592 | 536 | 481 | 435 | 370 | 253.0 | 200.0 | 165.0 | 125.0 | 99.3 | 82.8 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 LA | NVZS020490WC0FA | 676 | 612 | 549 | 496 | 423 | 288.0 | 231.0 | 190.0 | 146.0 | 116.0 | 96.5 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 LA | NVZS020600WC0FA | 723 | 673 | 645 | 602 | 528 | 388.0 | 305.0 | 252.0 | 179.0 | 142.0 | 119.0 | 86.4 | 71.4 | 39.4 |
| 7 OPzS 700 LA | NVZS020700WC0FA | 799 | 743 | 712 | 665 | 583 | 428.0 | 336.0 | 278.0 | 197.0 | 156.0 | 131.0 | 95.3 | 78.8 | 43.5 |
| 8 OPzS 800 LA | NVZS020800WC0FA | 1065 | 992 | 917 | 837 | 737 | 524.0 | 416.0 | 342.0 | 248.0 | 195.0 | 162.0 | 116.0 | 95.6 | 52.8 |
| 9 OPzS 900 LA | NVZS020900WC0FA | 1150 | 1070 | 988 | 902 | 794 | 564.0 | 448.0 | 368.0 | 267.0 | 211.0 | 174.0 | 124.0 | 103.0 | 56.8 |
| 10 OPzS 1000 LA | NVZS021000WC0FA | 1270 | 1185 | 1115 | 1030 | 905 | 653.0 | 516.0 | 426.0 | 305.0 | 242.0 | 201.0 | 145.0 | 120.0 | 66.1 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 1455 | 1355 | 1300 | 1215 | 1065 | 781.0 | 614.0 | 508.0 | 360.0 | 286.0 | 240.0 | 174.0 | 144.0 | 79.5 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 1515 | 1470 | 1395 | 1320 | 1190 | 933.0 | 767.0 | 642.0 | 476.0 | 391.0 | 337.0 | 224.0 | 184.0 | 101.0 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 1605 | 1560 | 1475 | 1395 | 1260 | 988.0 | 812.0 | 680.0 | 504.0 | 414.0 | 356.0 | 238.0 | 194.0 | 107.0 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 2185 | 2125 | 1995 | 1880 | 1680 | 1290.0 | 1045.0 | 864.0 | 630.0 | 518.0 | 445.0 | 297.0 | 243.0 | 133.0 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 2290 | 2225 | 2100 | 1975 | 1765 | 1370.0 | 1115.0 | 926.0 | 686.0 | 564.0 | 485.0 | 323.0 | 265.0 | 145.0 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 2725 | 2645 | 2485 | 2340 | 2090 | 1600.0 | 1305.0 | 1080.0 | 784.0 | 645.0 | 554.0 | 370.0 | 302.0 | 166.0 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 2920 | 2835 | 2660 | 2510 | 2240 | 1715.0 | 1395.0 | 1155.0 | 840.0 | 690.0 | 594.0 | 396.0 | 324.0 | 178.0 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 3135 | 3045 | 2870 | 2705 | 2415 | 1875.0 | 1525.0 | 1265.0 | 938.0 | 771.0 | 663.0 | 442.0 | 362.0 | 199.0 |

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