GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

# Industrial Batteries / Network Power

## Classic OPzS

*»Proven **high reliability energy storage** for **critical applications**«*

Classic®

# Industrial Batteries

## The powerful range of Network Power

**GNB® Industrial Power offers reliable energy storage solutions for critical systems requiring uninterrupted power supply. With a comprehensive product range based on state-of-the-art technologies, GNB delivers the right battery for every application.**

The below table is only indicative and depends on the specific customer application. For more information please ask a GNB sales representative.

| Applications | Battery ranges | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sonnenschein | | | | | | | Marathon | | Sprinter | | Absolyte | Powerfit | Classic | | | | | |
| | A400/ A600 | A400 FT | A500 | A700 | SOLAR | RAIL | Power Cycle | M-FT | L/XL | P/XP | XP-FT | GP/GX | S100/ S300 | GroE | OCSM | OPzS | Energy Bloc/OGi | Solar | rail |
| Telecom | ● | ● | ● | ● | | | ● | ● | ● | | ● | ● | | | ● | ● | ● | | |
| UPS | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | | | ● | | ● | | |
| Emergency lighting | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | | ● | | | ● | ● | | |
| Security | ● | | ● | ● | | | | | | ● | ● | | ● | | ● | ● | | | |
| Utility | ● | ● | | ● | | | ● | ● | ● | | | ● | | ● | ● | ● | ● | | |
| Railways | ● | ● | ● | ● | | ● | ● | ● | ● | | | ● | | | ● | | ● | | ● |
| Photovoltaic | | | | | ● | | ● | | | | | ● | | | | | | ● | |
| Universal | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | |

## Powerful product brands

ABSOLYTE® MARATHON®

Sprinter® Powerfit®

> VRLA batteries (**V**alve **R**egulated **L**ead **A**cid) in which the electrolyte is fixed in an **A**bsorbent **G**lass **M**at (AGM)
> Excellent high current capability
> Very economical
> Maintenance-free (no topping up)

Sonnenschein®

> VRLA batteries (**V**alve **R**egulated **L**ead **A**cid) in which the electrolyte is fixed in a gel (dryfit® technology)
> Inventor of Gel technology
> Highest reliability, even in non-optimal conditions
> Particularly suitable for cyclic applications
> Maintenance-free (no topping up)

classic®

> Conventional lead-acid batteries with liquid electrolyte
> Extreme reliability, proven over decades
> Low maintenance

# Classic OPzS

## Developed from experience – produced for safe power supply

**Classic OPzS batteries have been proven energy suppliers for decades, which convince in robustness, reliability and extremely long design- or cycle life.**

## Your benefits:

> **Optimised plate design** – increased capacities compared to standard DIN OPzS

> **Tubular plates in block and single cell version** – most robust design

> **Excellent standby and cycling behaviour** – long life

> **Completely recyclable** – low $CO_2$ footprint

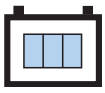
## Specifications:

> Very high operational reliability under rough operating conditions
> Low maintenance due to optimised alloy and large electrolyte reserve
> Nominal capacity 50 – 3350 Ah $C_{10}$; up to 12000 Ah on request
> 20 years design life at 20 °C ambient temperature (80 % remaining capacity from $C_{10}$)
> Container made from high quality transparent or translucent plastics
> Also available in dry charged condition with separate electrolyte
> Low gassing (EN 50272-2) thanks to low antimony alloy: < 2% for cells; < 3% for blocks
> Designed in accordance with IEC 60896-11, DIN 40736 and DIN 40737 T3
> Electrolyte: diluted sulphuric acid $d_N$ = 1.24 kg/l
> Manufactured in Europe in our ISO 9001 certified production plants

20 years design life

Nominal capacity 50.0 – 3350 Ah (up to 12000 Ah on request)

Block battery / Single cell


Tubular plate

Recyclable

Low maintenance

# Classic OPzS

## Technical data

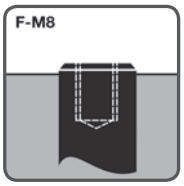
### Technical characteristics and data

| Type<br><br>acc. DIN<br>40 737 T3 blocks<br>40 736 T1 cells | Part number | Nom. voltage<br><br>V | Nominal capacity $C_{10}$ 1.80 Vpc 20 °C<br><br>Ah | Length (l)<br><br>max. mm | Width (b/w)<br><br>max. mm | Height* (h1)<br><br>max. mm | Installed length (B/L)<br><br>mm | Weight incl. acid<br><br>approx. kg | Weight acid**<br><br>approx. kg | Internal resistance<br><br>mOhm | Short circuit current<br><br>A | Terminal | Pole pairs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 6 | 200 | 272 | 206 | 347 | 282 | 41.0 | 13.0 | 2.68 | 2283 | F-M8 | 1 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 6 | 250 | 380 | 206 | 347 | 392 | 56.0 | 20.0 | 2.39 | 2800 | F-M8 | 1 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 6 | 300 | 380 | 206 | 347 | 392 | 63.0 | 20.0 | 1.96 | 3106 | F-M8 | 1 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 12 | 50.0 | 272 | 206 | 347 | 282 | 34.0 | 15.0 | 18.1 | 688 | F-M8 | 1 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 12 | 100 | 272 | 206 | 347 | 282 | 43.0 | 14.0 | 9.26 | 1314 | F-M8 | 1 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 12 | 150 | 380 | 206 | 347 | 392 | 64.0 | 19.0 | 6.46 | 1884 | F-M8 | 1 |
| 2 OPzS 100 LA | NVZS020100WC0FB | 2 | 125 | 105 | 208 | 395 | 115 | 13.7 | 5.20 | 1.45 | 1400 | F-M8 | 1 |
| 3 OPzS 150 LA | NVZS020150WC0FB | 2 | 165 | 105 | 208 | 395 | 115 | 15.2 | 5.00 | 1.05 | 1950 | F-M8 | 1 |
| 4 OPzS 200 LA | NVZS020200WC0FB | 2 | 210 | 105 | 208 | 395 | 115 | 16.6 | 4.60 | 0.83 | 2450 | F-M8 | 1 |
| 5 OPzS 250 LA | NVZS020250WC0FB | 2 | 260 | 126 | 208 | 395 | 136 | 20.0 | 5.80 | 0.72 | 2850 | F-M8 | 1 |
| 6 OPzS 300 LA | NVZS020300WC0FB | 2 | 310 | 147 | 208 | 395 | 157 | 23.3 | 6.90 | 0.63 | 3250 | F-M8 | 1 |
| 5 OPzS 350 LA | NVZS020350WC0FB | 2 | 380 | 126 | 208 | 511 | 136 | 26.7 | 8.10 | 0.63 | 3250 | F-M8 | 1 |
| 6 OPzS 420 LA | NVZS020420WC0FB | 2 | 455 | 147 | 208 | 511 | 157 | 31.0 | 9.30 | 0.56 | 3650 | F-M8 | 1 |
| 7 OPzS 490 LA | NVZS020490WC0FB | 2 | 530 | 168 | 208 | 511 | 178 | 35.4 | 10.8 | 0.50 | 4100 | F-M8 | 1 |
| 6 OPzS 600 LA | NVZS020600WC0FB | 2 | 680 | 147 | 208 | 686 | 157 | 43.9 | 13.0 | 0.47 | 4350 | F-M8 | 1 |
| 7 OPzS 700 LA | NVZS020700WC0FB | 2 | 750 | 147 | 208 | 686 | 157 | 47.2 | 12.8 | 0.43 | 4800 | F-M8 | 1 |
| 8 OPzS 800 LA | NVZS020800WC0FB | 2 | 910 | 212 | 193 | 686 | 222 | 59.9 | 17.1 | 0.30 | 6800 | F-M8 | 2 |
| 9 OPzS 900 LA | NVZS020900WC0FB | 2 | 980 | 212 | 193 | 686 | 222 | 63.4 | 16.8 | 0.27 | 7500 | F-M8 | 2 |
| 10 OPzS 1000 LA | NVZS021000WC0FB | 2 | 1140 | 212 | 235 | 686 | 222 | 73.2 | 21.7 | 0.26 | 7900 | F-M8 | 2 |
| 12 OPzS 1200 LA | NVZS021200WC0FA | 2 | 1370 | 212 | 277 | 686 | 222 | 86.4 | 26.1 | 0.23 | 8900 | F-M8 | 2 |
| 12 OPzS 1500 LA | NVZS021500WC0FA | 2 | 1700 | 212 | 277 | 836 | 222 | 108 | 33.7 | 0.24 | 8500 | F-M8 | 2 |
| 14 OPzS 1750 LA | NVZS021750WC0FA | 2 | 1800 | 212 | 277 | 836 | 222 | 114 | 32.7 | 0.22 | 9300 | F-M8 | 2 |
| 16 OPzS 2000 LA | NVZS022000WC0FA | 2 | 2250 | 215 | 400 | 812 | 225 | 151 | 50.0 | 0.16 | 12800 | F-M8 | 3 |
| 18 OPzS 2250 LA | NVZS022250WC0FA | 2 | 2450 | 215 | 400 | 812 | 225 | 158 | 48.0 | 0.14 | 14600 | F-M8 | 3 |
| 20 OPzS 2500 LA | NVZS022500WC0FA | 2 | 2800 | 215 | 490 | 812 | 225 | 184 | 60.0 | 0.12 | 17000 | F-M8 | 4 |
| 22 OPzS 2750 LA | NVZS022750WC0FA | 2 | 3000 | 215 | 490 | 812 | 225 | 191 | 58.0 | 0.11 | 17800 | F-M8 | 4 |
| 24 OPzS 3000 LA | NVZS023000WC0FA | 2 | 3350 | 215 | 580 | 812 | 225 | 217 | 71.0 | 0.11 | 18600 | F-M8 | 4 |

* Includes installed connector, the above mentioned height can differ depending on the used vent(s)
** Acid density $d_N$ =1.24 kg/ l

### Container, terminal and torque

**> Container:** PP blocks
SAN (Styrene acrylonitrile) cells



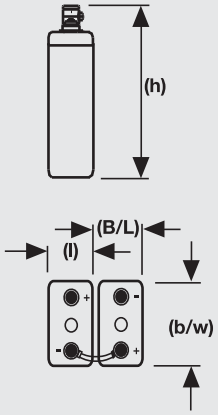
12 Nm for blocks;
20 Nm for cells

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** C0FB
**> dry charged:** NVZS120050 **D** C0FB

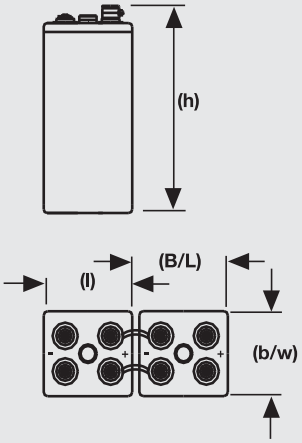
# Classic OPzS

## Drawings

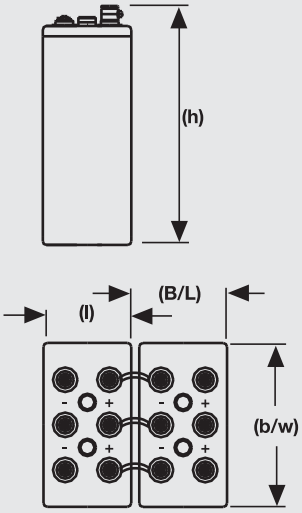
### 2 OPzS 100 LA - 7 OPzS 700 LA



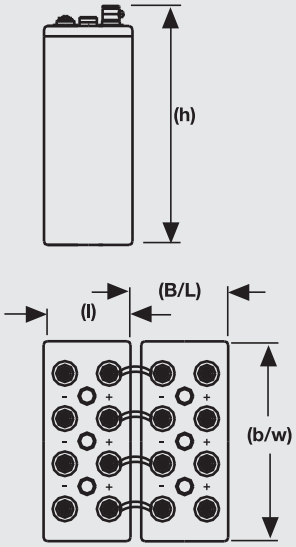

### 8 OPzS 800 LA - 14 OPzS 1750 LA



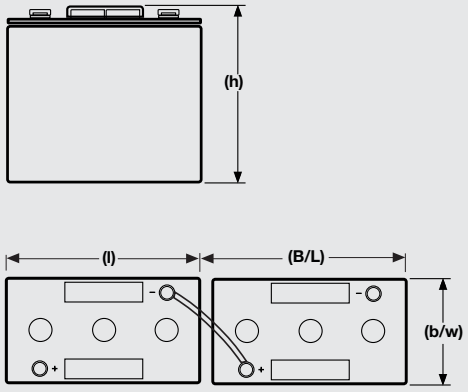

### 16 OPzS 2000 LA - 1 OPzS 2250 LA



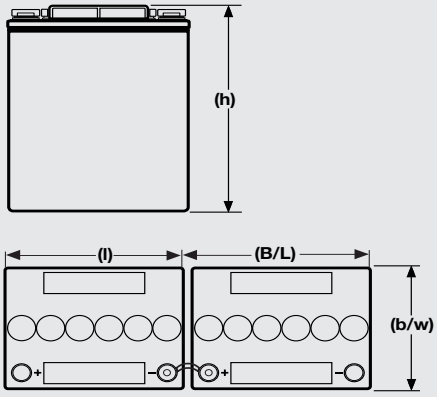

### 20 OPzS 2500 LA - 24 OPzS 3000 LA




### 6V 4 OPzS 200 LA - 6V 6 OPzS 300 LA




### 12V 1 OPzS 50 LA - 12V 3 OPzS 150 LA




*Not to scale!*

# Classic OPzS

## Constant current discharge · OPzS blocks

### 1.90 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 120 | 105 | 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 | NVZS060250WC0FB | 145 | 132 | 122 | 102 | 70.0 | 56.0 | 43.5 | 34.0 | 32.0 | 29.0 | 25.2 | 21.7 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 160 | 147 | 136 | 118 | 91.0 | 66.0 | 53.0 | 45.3 | 39.0 | 34.0 | 28.0 | 24.5 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 32.0 | 29.0 | 25.0 | 21.3 | 16.1 | 11.7 | 9.70 | 8.20 | 7.00 | 6.30 | 5.60 | 5.00 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 66.5 | 58.0 | 52.2 | 41.5 | 31.5 | 24.5 | 17.4 | 15.0 | 13.7 | 12.5 | 10.6 | 8.90 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 99.0 | 84.0 | 76.0 | 64.0 | 47.2 | 34.1 | 26.4 | 22.3 | 19.7 | 17.7 | 14.6 | 12.0 |

### 1.87 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 150 | 132 | 120 | 100 | 72.4 | 52.0 | 40.0 | 33.2 | 29.4 | 26.8 | 22.2 | 18.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 180 | 161 | 140 | 118 | 88.7 | 63.2 | 50.0 | 42.0 | 36.7 | 33.4 | 28.1 | 23.3 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 195 | 176 | 160 | 135 | 104 | 76.5 | 59.2 | 51.0 | 44.0 | 38.0 | 32.0 | 27.0 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 40.0 | 35.0 | 31.0 | 25.5 | 19.4 | 13.6 | 11.2 | 9.30 | 8.20 | 7.20 | 6.00 | 5.50 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 80.0 | 70.0 | 62.0 | 50.0 | 37.9 | 27.2 | 19.9 | 16.9 | 15.2 | 13.7 | 11.5 | 9.50 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 120 | 102 | 90.0 | 75.0 | 55.0 | 39.5 | 30.0 | 25.4 | 22.0 | 19.8 | 16.4 | 13.8 |

### 1.85 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 162 | 145 | 135 | 110 | 78.7 | 55.5 | 42.2 | 35.0 | 30.8 | 28.1 | 23.3 | 18.7 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 193 | 175 | 155 | 126 | 93.4 | 67.0 | 52.5 | 44.5 | 38.2 | 35.1 | 29.3 | 23.7 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 216 | 195 | 177 | 147 | 113.5 | 79.0 | 62.0 | 54.0 | 46.0 | 40.5 | 33.7 | 28.0 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 44.0 | 39.0 | 35.0 | 28.2 | 21.0 | 14.2 | 11.7 | 9.80 | 8.50 | 7.50 | 6.30 | 5.60 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 87.5 | 78.0 | 69.5 | 55.0 | 41.0 | 28.8 | 21.4 | 17.8 | 15.6 | 14.3 | 11.8 | 9.70 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 130 | 112 | 102.5 | 81.0 | 59.8 | 42.0 | 31.5 | 27.1 | 23.0 | 20.7 | 17.1 | 14.2 |

### 1.83 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 175 | 158 | 150 | 120 | 85.0 | 59.1 | 44.5 | 36.7 | 32.3 | 29.2 | 24.0 | 19.5 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 207 | 190 | 171 | 135 | 102 | 71.4 | 55.0 | 46.5 | 40.3 | 36.3 | 30.2 | 24.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 237 | 213 | 195 | 160 | 123 | 85.7 | 66.3 | 56.5 | 48.3 | 42.5 | 34.8 | 29.0 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 48.0 | 43.0 | 39.0 | 31.0 | 22.8 | 15.3 | 12.2 | 10.2 | 8.80 | 7.80 | 6.50 | 5.80 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 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 | NVZS120150WC0FB | 140 | 122 | 115 | 87.0 | 64.6 | 44.4 | 33.4 | 28.3 | 24.1 | 21.6 | 17.9 | 14.6 |

### 1.80 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 205 | 178 | 160 | 130 | 92.0 | 61.3 | 47.5 | 38.5 | 34.9 | 30.4 | 25.0 | 20.3 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 240 | 212 | 190 | 150 | 110 | 74.5 | 59.2 | 49.0 | 42.8 | 37.8 | 31.2 | 25.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 260 | 240 | 218 | 177 | 135 | 89.3 | 70.4 | 59.5 | 51.0 | 44.5 | 35.8 | 30.3 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 57.0 | 49.0 | 44.0 | 34.0 | 25.2 | 17.1 | 13.5 | 11.0 | 9.50 | 8.20 | 6.90 | 5.90 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 110 | 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 | NVZS120150WC0FB | 160 | 135 | 120 | 95.0 | 70.4 | 47.1 | 36.0 | 29.8 | 25.7 | 22.7 | 18.6 | 15.0 |

# Classic OPzS

## Constant current discharge · OPzS blocks

### 1.75 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 235 | 206 | 185 | 140 | 97.9 | 66.0 | 51.0 | 40.5 | 35.8 | 31.2 | 25.7 | 20.4 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 285 | 250 | 220 | 165 | 120 | 81.0 | 64.0 | 51.0 | 44.0 | 39.1 | 32.3 | 26.1 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 340 | 295 | 260 | 200 | 143 | 98.3 | 76.7 | 62.0 | 52.5 | 45.8 | 36.8 | 30.6 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 65.0 | 56.0 | 48.0 | 36.0 | 26.5 | 18.4 | 14.0 | 11.6 | 9.80 | 8.60 | 7.20 | 6.20 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 125 | 109 | 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 | NVZS120150WC0FB | 185 | 155 | 136 | 102 | 73.4 | 50.0 | 38.4 | 31.2 | 27.0 | 24.0 | 19.4 | 15.3 |

### 1.70 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 270 | 232 | 208 | 155 | 108 | 68.0 | 51.6 | 41.5 | 37.5 | 31.7 | 26.0 | 20.8 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 340 | 287 | 255 | 183 | 131 | 84.0 | 65.4 | 52.3 | 45.0 | 40.1 | 33.0 | 26.5 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 380 | 333 | 295 | 220 | 159 | 103 | 77.0 | 63.6 | 53.5 | 46.4 | 37.3 | 31.2 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 75.0 | 62.0 | 54.0 | 39.0 | 27.3 | 18.5 | 14.4 | 11.8 | 10.0 | 8.70 | 7.30 | 6.30 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 145 | 122 | 106 | 78.0 | 54.0 | 35.0 | 26.7 | 21.3 | 18.8 | 16.6 | 13.3 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 210 | 174 | 155 | 115 | 79.3 | 52.0 | 38.6 | 32.0 | 28.2 | 24.8 | 19.9 | 15.6 |

### 1.67 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 293 | 247 | 219 | 160 | 111 | 68.5 | 52.5 | 41.8 | 36.1 | 32.0 | 26.1 | 21.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 362 | 307 | 268 | 193 | 133 | 84.5 | 65.8 | 52.6 | 45.6 | 40.5 | 33.3 | 26.6 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 417 | 355 | 315 | 231 | 163 | 105 | 78.0 | 64.1 | 54.0 | 46.6 | 37.5 | 31.3 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 80.0 | 66.0 | 56.0 | 40.0 | 27.7 | 18.7 | 14.5 | 11.9 | 10.0 | 8.80 | 7.30 | 6.30 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 156 | 130 | 111 | 81.0 | 55.0 | 35.3 | 26.8 | 21.6 | 18.9 | 16.8 | 13.4 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 229 | 186 | 163 | 118 | 82.0 | 52.6 | 39.0 | 32.2 | 28.5 | 25.2 | 20.1 | 15.7 |

### 1.65 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6V 4 OPzS 200 LA | NVZS060200WC0FB | 307 | 258 | 226 | 163 | 113 | 69.0 | 52.9 | 42.0 | 36.2 | 32.2 | 26.2 | 21.0 |
| 6V 5 OPzS 250 LA | NVZS060250WC0FB | 380 | 320 | 278 | 189 | 135 | 85.0 | 66.0 | 52.8 | 46.0 | 40.8 | 33.4 | 26.6 |
| 6V 6 OPzS 300 LA | NVZS060300WC0FB | 435 | 369 | 326 | 237 | 165 | 106 | 78.5 | 64.4 | 54.2 | 46.8 | 37.6 | 31.3 |
| 12V 1 OPzS 50 LA | NVZS120050WC0FB | 83.0 | 68.0 | 58.0 | 41.0 | 27.9 | 18.8 | 14.5 | 11.9 | 10.0 | 8.80 | 7.30 | 6.30 |
| 12V 2 OPzS 100 LA | NVZS120100WC0FB | 162 | 135 | 115 | 83.0 | 55.5 | 35.5 | 26.9 | 21.7 | 19.0 | 16.9 | 13.5 | 10.4 |
| 12V 3 OPzS 150 LA | NVZS120150WC0FB | 240 | 193 | 168 | 120 | 83.0 | 53.0 | 39.2 | 32.4 | 28.6 | 25.5 | 20.2 | 15.7 |

# Classic OPzS

## Constant current discharge · OPzS cells

### 1.90 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 65.9 | 65.9 | 63.1 | 59.3 | 55.8 | 45.6 | 38.5 | 33.1 | 26.1 | 21.6 | 18.7 | 13.4 | 10.9 | 6.00 |
| 3 OPzS 150 | NVZS020150WC0FB | 85.3 | 85.3 | 81.7 | 76.7 | 72.3 | 59.1 | 49.8 | 43.2 | 34.2 | 28.4 | 24.4 | 17.7 | 14.4 | 7.90 |
| 4 OPzS 200 | NVZS020200WC0FB | 109 | 109 | 104 | 97.7 | 92.0 | 75.2 | 63.4 | 55.0 | 43.5 | 36.1 | 31.1 | 22.5 | 18.3 | 10.1 |
| 5 OPzS 250 | NVZS020250WC0FB | 131 | 131 | 125 | 118 | 112 | 91.7 | 77.7 | 67.8 | 53.3 | 44.3 | 38.3 | 27.7 | 22.6 | 12.5 |
| 6 OPzS 300 | NVZS020300WC0FB | 151 | 151 | 145 | 137 | 130 | 108 | 91.7 | 80.4 | 62.9 | 52.3 | 45.4 | 32.8 | 27.0 | 14.9 |
| 5 OPzS 350 | NVZS020350WC0FB | 152 | 152 | 147 | 144 | 133 | 115 | 101 | 88.3 | 73.0 | 61.1 | 53.2 | 38.8 | 32.3 | 18.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 175 | 175 | 169 | 166 | 155 | 134 | 118 | 105 | 87.4 | 73.1 | 63.7 | 46.4 | 38.7 | 21.8 |
| 7 OPzS 490 | NVZS020490WC0FB | 200 | 200 | 193 | 190 | 177 | 153 | 136 | 121 | 102 | 85.3 | 74.2 | 54.1 | 45.1 | 25.4 |
| 6 OPzS 600 | NVZS020600WC0FB | 228 | 228 | 223 | 215 | 201 | 175 | 156 | 141 | 117 | 101 | 91.1 | 68.0 | 57.8 | 32.6 |
| 7 OPzS 700 | NVZS020700WC0FB | 251 | 251 | 246 | 237 | 221 | 193 | 172 | 156 | 129 | 112 | 101 | 75.0 | 63.8 | 36.0 |
| 8 OPzS 800 | NVZS020800WC0FB | 322 | 322 | 311 | 305 | 282 | 248 | 217 | 194 | 159 | 138 | 124 | 91.0 | 77.4 | 43.7 |
| 9 OPzS 900 | NVZS020900WC0FB | 347 | 347 | 335 | 328 | 304 | 268 | 233 | 209 | 172 | 149 | 133 | 98.0 | 83.3 | 47.0 |
| 10 OPzS 1000 | NVZS021000WC0FB | 393 | 393 | 382 | 371 | 345 | 302 | 266 | 240 | 198 | 172 | 154 | 114 | 96.9 | 54.7 |
| 12 OPzS 1200 | NVZS021200WC0FA | 459 | 459 | 449 | 433 | 404 | 352 | 314 | 285 | 236 | 205 | 184 | 137 | 116 | 65.8 |
| 12 OPzS 1500 | NVZS021500WC0FA | 408 | 408 | 402 | 394 | 382 | 343 | 320 | 297 | 257 | 228 | 207 | 156 | 136 | 72.1 |
| 14 OPzS 1750 | NVZS021750WC0FA | 432 | 432 | 426 | 428 | 405 | 364 | 338 | 315 | 272 | 241 | 220 | 166 | 144 | 76.3 |
| 16 OPzS 2000 | NVZS022000WC0FA | 589 | 589 | 576 | 562 | 540 | 474 | 436 | 401 | 340 | 302 | 274 | 207 | 180 | 95.4 |
| 18 OPzS 2250 | NVZS022250WC0FA | 617 | 617 | 605 | 591 | 568 | 504 | 466 | 429 | 370 | 328 | 299 | 225 | 196 | 104 |
| 20 OPzS 2500 | NVZS022500WC0FA | 732 | 732 | 716 | 700 | 672 | 596 | 542 | 498 | 423 | 375 | 342 | 258 | 224 | 119 |
| 22 OPzS 2750 | NVZS022750WC0FA | 785 | 785 | 767 | 750 | 720 | 632 | 581 | 534 | 453 | 402 | 366 | 276 | 240 | 127 |
| 24 OPzS 3000 | NVZS023000WC0FA | 844 | 844 | 828 | 808 | 777 | 689 | 636 | 586 | 506 | 449 | 409 | 308 | 268 | 142 |

### 1.87 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 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 | 6.30 |
| 3 OPzS 150 | NVZS020150WC0FB | 106 | 105 | 98.5 | 91.6 | 83.4 | 66.2 | 55.3 | 47.5 | 37.3 | 30.6 | 26.2 | 18.6 | 15.4 | 8.40 |
| 4 OPzS 200 | NVZS020200WC0FB | 135 | 134 | 125 | 118 | 107 | 84.3 | 70.4 | 60.4 | 47.5 | 39.0 | 33.3 | 23.7 | 19.7 | 10.6 |
| 5 OPzS 250 | NVZS020250WC0FB | 163 | 161 | 151 | 142 | 130 | 103 | 86.3 | 74.5 | 58.2 | 47.9 | 41.1 | 29.2 | 24.3 | 13.2 |
| 6 OPzS 300 | NVZS020300WC0FB | 189 | 186 | 175 | 166 | 152 | 121 | 102 | 88.4 | 68.7 | 56.5 | 48.7 | 34.7 | 29.0 | 15.7 |
| 5 OPzS 350 | NVZS020350WC0FB | 190 | 187 | 180 | 174 | 160 | 135 | 115 | 99.8 | 79.8 | 66.5 | 57.8 | 41.7 | 34.8 | 19.3 |
| 6 OPzS 420 | NVZS020420WC0FB | 216 | 214 | 207 | 201 | 186 | 157 | 135 | 118 | 95.6 | 79.7 | 69.2 | 50.0 | 41.7 | 23.1 |
| 7 OPzS 490 | NVZS020490WC0FB | 247 | 245 | 236 | 229 | 213 | 179 | 156 | 136 | 111 | 92.5 | 80.6 | 58.2 | 48.5 | 26.9 |
| 6 OPzS 600 | NVZS020600WC0FB | 279 | 277 | 267 | 257 | 239 | 207 | 181 | 163 | 131 | 111 | 98.5 | 72.9 | 62.3 | 34.5 |
| 7 OPzS 700 | NVZS020700WC0FB | 307 | 305 | 295 | 284 | 264 | 228 | 200 | 179 | 144 | 123 | 109 | 80.4 | 68.7 | 38.0 |
| 8 OPzS 800 | NVZS020800WC0FB | 403 | 396 | 378 | 365 | 337 | 290 | 252 | 222 | 178 | 152 | 134 | 98.1 | 83.4 | 46.1 |
| 9 OPzS 900 | NVZS020900WC0FB | 430 | 427 | 407 | 393 | 363 | 312 | 271 | 239 | 192 | 164 | 144 | 106 | 89.8 | 49.7 |
| 10 OPzS 1000 | NVZS021000WC0FB | 484 | 480 | 461 | 444 | 412 | 355 | 309 | 276 | 221 | 188 | 167 | 123 | 104 | 57.8 |
| 12 OPzS 1200 | NVZS021200WC0FA | 562 | 558 | 538 | 518 | 482 | 416 | 365 | 328 | 264 | 225 | 198 | 147 | 125 | 69.5 |
| 12 OPzS 1500 | NVZS021500WC0FA | 522 | 521 | 511 | 498 | 479 | 419 | 385 | 352 | 297 | 257 | 230 | 173 | 148 | 79.8 |
| 14 OPzS 1750 | NVZS021750WC0FA | 553 | 552 | 541 | 532 | 508 | 444 | 408 | 372 | 314 | 272 | 245 | 183 | 157 | 84.5 |
| 16 OPzS 2000 | NVZS022000WC0FA | 754 | 752 | 731 | 712 | 676 | 578 | 525 | 473 | 392 | 339 | 305 | 229 | 196 | 105 |
| 18 OPzS 2250 | NVZS022250WC0FA | 791 | 789 | 769 | 748 | 712 | 615 | 561 | 507 | 427 | 370 | 333 | 249 | 213 | 115 |
| 20 OPzS 2500 | NVZS022500WC0FA | 937 | 936 | 910 | 885 | 779 | 720 | 654 | 589 | 488 | 423 | 380 | 284 | 244 | 132 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1005 | 1005 | 976 | 949 | 903 | 771 | 700 | 631 | 523 | 453 | 407 | 305 | 262 | 141 |
| 24 OPzS 3000 | NVZS023000WC0FA | 1080 | 1075 | 1050 | 1020 | 972 | 841 | 766 | 693 | 584 | 506 | 455 | 340 | 292 | 157 |

# Classic OPzS

## Constant current discharge · OPzS cells

### 1.85 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 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 | 6.60 |
| 3 OPzS 150 | NVZS020150WC0FB | 121 | 118 | 110 | 101 | 90.8 | 71.0 | 58.9 | 50.3 | 39.4 | 32.2 | 27.4 | 19.3 | 16.2 | 8.70 |
| 4 OPzS 200 | NVZS020200WC0FB | 153 | 150 | 139 | 131 | 118 | 90.3 | 75.0 | 64.1 | 50.2 | 41.0 | 34.9 | 24.6 | 20.6 | 11.0 |
| 5 OPzS 250 | NVZS020250WC0FB | 185 | 181 | 168 | 159 | 143 | 110 | 92.0 | 79.0 | 61.5 | 50.3 | 42.9 | 30.3 | 25.5 | 13.7 |
| 6 OPzS 300 | NVZS020300WC0FB | 215 | 210 | 195 | 185 | 167 | 130 | 109 | 93.7 | 72.6 | 59.4 | 50.9 | 35.9 | 30.4 | 16.3 |
| 5 OPzS 350 | NVZS020350WC0FB | 215 | 211 | 202 | 194 | 178 | 148 | 124 | 107 | 84.4 | 70.2 | 60.8 | 43.7 | 36.5 | 20.0 |
| 6 OPzS 420 | NVZS020420WC0FB | 244 | 240 | 232 | 224 | 207 | 172 | 146 | 127 | 101 | 84.0 | 72.8 | 52.3 | 43.7 | 23.9 |
| 7 OPzS 490 | NVZS020490WC0FB | 279 | 274 | 265 | 256 | 237 | 196 | 168 | 147 | 118 | 98.1 | 84.8 | 61.0 | 50.9 | 27.8 |
| 6 OPzS 600 | NVZS020600WC0FB | 313 | 309 | 296 | 286 | 265 | 228 | 198 | 177 | 140 | 118 | 103 | 76.2 | 65.3 | 35.7 |
| 7 OPzS 700 | NVZS020700WC0FB | 345 | 341 | 327 | 315 | 293 | 251 | 218 | 195 | 155 | 130 | 114 | 84.0 | 72.0 | 39.4 |
| 8 OPzS 800 | NVZS020800WC0FB | 457 | 446 | 422 | 405 | 373 | 318 | 275 | 241 | 191 | 161 | 141 | 103 | 87.4 | 47.8 |
| 9 OPzS 900 | NVZS020900WC0FB | 486 | 480 | 455 | 436 | 402 | 342 | 296 | 260 | 206 | 173 | 152 | 111 | 94.1 | 51.5 |
| 10 OPzS 1000 | NVZS021000WC0FB | 546 | 539 | 513 | 493 | 456 | 390 | 338 | 299 | 237 | 199 | 175 | 128 | 109 | 59.9 |
| 12 OPzS 1200 | NVZS021200WC0FA | 631 | 623 | 597 | 575 | 534 | 459 | 399 | 356 | 282 | 237 | 208 | 153 | 132 | 71.9 |
| 12 OPzS 1500 | NVZS021500WC0FA | 599 | 596 | 583 | 568 | 544 | 469 | 428 | 388 | 323 | 277 | 246 | 184 | 156 | 85.0 |
| 14 OPzS 1750 | NVZS021750WC0FA | 635 | 632 | 617 | 602 | 576 | 497 | 454 | 410 | 342 | 293 | 261 | 194 | 166 | 90.0 |
| 16 OPzS 2000 | NVZS022000WC0FA | 865 | 861 | 835 | 811 | 768 | 648 | 585 | 522 | 427 | 366 | 326 | 243 | 207 | 112 |
| 18 OPzS 2250 | NVZS022250WC0FA | 908 | 903 | 878 | 853 | 808 | 688 | 623 | 559 | 465 | 399 | 355 | 265 | 225 | 122 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1075 | 1070 | 1040 | 1010 | 956 | 806 | 728 | 649 | 532 | 456 | 406 | 302 | 258 | 140 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1155 | 1150 | 1115 | 1080 | 1025 | 864 | 779 | 695 | 570 | 489 | 435 | 324 | 276 | 150 |
| 24 OPzS 3000 | NVZS023000WC0FA | 1240 | 1235 | 1200 | 1165 | 1100 | 942 | 852 | 764 | 636 | 546 | 486 | 362 | 308 | 167 |

### 1.83 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 104 | 101 | 93.0 | 86.9 | 76.8 | 57.5 | 47.4 | 39.9 | 31.2 | 25.4 | 21.6 | 14.9 | 12.5 | 6.70 |
| 3 OPzS 150 | NVZS020150WC0FB | 134 | 130 | 120 | 110 | 97.4 | 74.3 | 61.3 | 52.2 | 40.8 | 33.2 | 28.2 | 19.6 | 16.4 | 8.90 |
| 4 OPzS 200 | NVZS020200WC0FB | 171 | 166 | 153 | 143 | 126 | 94.7 | 78.0 | 66.4 | 52.0 | 42.4 | 36.0 | 25.0 | 20.9 | 11.3 |
| 5 OPzS 250 | NVZS020250WC0FB | 207 | 201 | 185 | 173 | 154 | 116 | 95.7 | 81.9 | 63.7 | 52.0 | 44.3 | 30.8 | 25.9 | 14.0 |
| 6 OPzS 300 | NVZS020300WC0FB | 241 | 231 | 215 | 201 | 180 | 136 | 113 | 97.3 | 75.2 | 61.4 | 52.5 | 36.5 | 30.9 | 16.7 |
| 5 OPzS 350 | NVZS020350WC0FB | 238 | 232 | 221 | 213 | 194 | 158 | 131 | 113 | 87.9 | 72.6 | 62.5 | 44.5 | 37.1 | 20.3 |
| 6 OPzS 420 | NVZS020420WC0FB | 272 | 265 | 255 | 245 | 225 | 183 | 154 | 133 | 105 | 86.8 | 74.8 | 53.2 | 44.4 | 24.3 |
| 7 OPzS 490 | NVZS020490WC0FB | 310 | 303 | 291 | 280 | 257 | 209 | 178 | 154 | 123 | 102 | 87.1 | 62.0 | 51.7 | 28.4 |
| 6 OPzS 600 | NVZS020600WC0FB | 347 | 341 | 325 | 312 | 289 | 245 | 211 | 187 | 147 | 123 | 107 | 77.8 | 66.4 | 36.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 382 | 376 | 359 | 344 | 319 | 270 | 233 | 206 | 162 | 135 | 118 | 85.8 | 73.2 | 40.1 |
| 8 OPzS 800 | NVZS020800WC0FB | 505 | 493 | 464 | 443 | 407 | 342 | 292 | 255 | 199 | 166 | 145 | 105 | 88.8 | 48.7 |
| 9 OPzS 900 | NVZS020900WC0FB | 540 | 531 | 500 | 477 | 438 | 368 | 315 | 275 | 214 | 179 | 157 | 113 | 95.6 | 52.4 |
| 10 OPzS 1000 | NVZS021000WC0FB | 605 | 595 | 563 | 539 | 497 | 420 | 360 | 317 | 248 | 207 | 180 | 131 | 111 | 61.0 |
| 12 OPzS 1200 | NVZS021200WC0FA | 698 | 686 | 655 | 629 | 583 | 494 | 426 | 376 | 295 | 247 | 215 | 157 | 134 | 73.3 |
| 12 OPzS 1500 | NVZS021500WC0FA | 673 | 668 | 652 | 633 | 602 | 513 | 465 | 418 | 343 | 292 | 258 | 191 | 162 | 88.3 |
| 14 OPzS 1750 | NVZS021750WC0FA | 713 | 708 | 691 | 671 | 638 | 543 | 493 | 442 | 364 | 310 | 274 | 201 | 172 | 93.4 |
| 16 OPzS 2000 | NVZS022000WC0FA | 973 | 966 | 934 | 904 | 850 | 708 | 634 | 562 | 454 | 387 | 342 | 252 | 214 | 116 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1015 | 1010 | 982 | 951 | 894 | 752 | 677 | 602 | 495 | 421 | 373 | 275 | 233 | 127 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1205 | 1200 | 1165 | 1125 | 1060 | 881 | 790 | 700 | 566 | 482 | 426 | 313 | 267 | 145 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1295 | 1285 | 1245 | 1205 | 1135 | 944 | 846 | 750 | 606 | 516 | 457 | 336 | 286 | 156 |
| 24 OPzS 3000 | NVZS023000WC0FA | 1390 | 1380 | 1345 | 1300 | 1220 | 1030 | 924 | 825 | 675 | 575 | 510 | 375 | 319 | 174 |

# Classic OPzS

## Constant current discharge · OPzS cells

### 1.80 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 122 | 116 | 106 | 97.7 | 84.8 | 61.5 | 50.1 | 42.0 | 32.8 | 26.6 | 22.6 | 15.3 | 12.8 | 7.00 |
| 3 OPzS 150 | NVZS020150WC0FB | 155 | 148 | 135 | 124 | 107 | 79.2 | 64.8 | 54.9 | 42.9 | 34.8 | 29.5 | 20.1 | 16.8 | 9.20 |
| 4 OPzS 200 | NVZS020200WC0FB | 199 | 190 | 174 | 161 | 140 | 101 | 82.5 | 69.9 | 54.6 | 44.4 | 37.6 | 25.6 | 21.4 | 11.8 |
| 5 OPzS 250 | NVZS020250WC0FB | 241 | 230 | 211 | 195 | 170 | 124 | 101 | 86.3 | 66.9 | 54.5 | 46.3 | 31.6 | 26.5 | 14.6 |
| 6 OPzS 300 | NVZS020300WC0FB | 281 | 268 | 245 | 227 | 199 | 146 | 120 | 103 | 79.0 | 64.3 | 54.9 | 37.4 | 31.6 | 17.4 |
| 5 OPzS 350 | NVZS020350WC0FB | 273 | 264 | 251 | 240 | 216 | 172 | 141 | 120 | 93.1 | 76.2 | 65.0 | 45.6 | 38.0 | 20.9 |
| 6 OPzS 420 | NVZS020420WC0FB | 314 | 303 | 289 | 277 | 252 | 200 | 166 | 142 | 111 | 90.9 | 77.8 | 54.6 | 45.5 | 25.0 |
| 7 OPzS 490 | NVZS020490WC0FB | 358 | 346 | 330 | 316 | 287 | 229 | 192 | 164 | 130 | 106 | 90.6 | 63.6 | 53.0 | 29.2 |
| 6 OPzS 600 | NVZS020600WC0FB | 398 | 388 | 368 | 352 | 325 | 271 | 232 | 202 | 156 | 129 | 112 | 80.2 | 68.0 | 37.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 439 | 428 | 406 | 389 | 359 | 299 | 256 | 223 | 173 | 144 | 123 | 88.5 | 75.0 | 41.3 |
| 8 OPzS 800 | NVZS020800WC0FB | 572 | 564 | 528 | 501 | 457 | 378 | 319 | 277 | 211 | 175 | 152 | 108 | 91.0 | 50.1 |
| 9 OPzS 900 | NVZS020900WC0FB | 623 | 608 | 568 | 539 | 492 | 407 | 343 | 298 | 227 | 188 | 164 | 117 | 98.0 | 53.9 |
| 10 OPzS 1000 | NVZS021000WC0FB | 695 | 678 | 639 | 609 | 559 | 464 | 394 | 343 | 263 | 218 | 189 | 135 | 114 | 62.7 |
| 12 OPzS 1200 | NVZS021200WC0FA | 800 | 781 | 741 | 710 | 655 | 547 | 467 | 407 | 315 | 261 | 225 | 162 | 137 | 75.4 |
| 12 OPzS 1500 | NVZS021500WC0FA | 785 | 777 | 756 | 731 | 690 | 578 | 520 | 462 | 374 | 316 | 277 | 201 | 170 | 93.2 |
| 14 OPzS 1750 | NVZS021750WC0FA | 831 | 823 | 801 | 774 | 731 | 612 | 551 | 490 | 396 | 334 | 293 | 212 | 180 | 98.6 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1135 | 1125 | 1080 | 1040 | 974 | 798 | 709 | 622 | 495 | 418 | 367 | 265 | 225 | 123 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1185 | 1175 | 1140 | 1095 | 1025 | 848 | 757 | 666 | 539 | 455 | 399 | 289 | 245 | 134 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1390 | 1375 | 1345 | 1300 | 1210 | 993 | 884 | 775 | 616 | 520 | 456 | 330 | 280 | 153 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1510 | 1495 | 1445 | 1390 | 1300 | 1065 | 946 | 830 | 660 | 557 | 489 | 354 | 300 | 164 |
| 24 OPzS 3000 | NVZS023000WC0FA | 1620 | 1605 | 1555 | 1500 | 1400 | 1160 | 1035 | 911 | 737 | 622 | 546 | 395 | 335 | 184 |

### 1.75 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 147 | 137 | 125 | 113 | 96.1 | 66.4 | 52.9 | 44.2 | 34.3 | 27.7 | 23.5 | 15.9 | 13.1 | 7.20 |
| 3 OPzS 150 | NVZS020150WC0FB | 188 | 175 | 158 | 144 | 122 | 85.3 | 68.5 | 57.8 | 44.9 | 36.4 | 30.7 | 21.0 | 17.3 | 9.50 |
| 4 OPzS 200 | NVZS020200WC0FB | 243 | 226 | 205 | 186 | 158 | 109 | 87.2 | 73.5 | 57.1 | 46.3 | 39.1 | 26.7 | 22.1 | 12.1 |
| 5 OPzS 250 | NVZS020250WC0FB | 294 | 274 | 249 | 225 | 193 | 134 | 107 | 90.8 | 70.0 | 56.8 | 48.1 | 32.9 | 27.3 | 15.0 |
| 6 OPzS 300 | NVZS020300WC0FB | 343 | 319 | 290 | 263 | 226 | 158 | 127 | 108 | 82.6 | 67.0 | 57.1 | 39.0 | 32.6 | 17.8 |
| 5 OPzS 350 | NVZS020350WC0FB | 333 | 316 | 296 | 281 | 247 | 190 | 153 | 129 | 97.3 | 79.7 | 68.0 | 47.1 | 39.1 | 21.5 |
| 6 OPzS 420 | NVZS020420WC0FB | 383 | 364 | 341 | 323 | 288 | 221 | 180 | 152 | 116 | 95.0 | 81.4 | 56.4 | 46.9 | 25.7 |
| 7 OPzS 490 | NVZS020490WC0FB | 438 | 416 | 390 | 369 | 328 | 252 | 207 | 176 | 136 | 111 | 94.9 | 65.7 | 54.6 | 29.9 |
| 6 OPzS 600 | NVZS020600WC0FB | 480 | 462 | 437 | 416 | 381 | 306 | 258 | 220 | 167 | 136 | 116 | 83.0 | 70.0 | 38.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 530 | 510 | 482 | 459 | 420 | 338 | 285 | 242 | 184 | 150 | 128 | 91.5 | 77.3 | 42.4 |
| 8 OPzS 800 | NVZS020800WC0FB | 703 | 677 | 630 | 592 | 534 | 430 | 353 | 303 | 226 | 184 | 157 | 112 | 92.8 | 51.4 |
| 9 OPzS 900 | NVZS020900WC0FB | 758 | 730 | 678 | 637 | 575 | 463 | 380 | 326 | 243 | 198 | 170 | 121 | 100 | 55.4 |
| 10 OPzS 1000 | NVZS021000WC0FB | 843 | 812 | 761 | 719 | 654 | 526 | 438 | 374 | 281 | 229 | 196 | 140 | 117 | 64.4 |
| 12 OPzS 1200 | NVZS021200WC0FA | 968 | 932 | 881 | 838 | 767 | 617 | 521 | 443 | 336 | 273 | 233 | 167 | 141 | 77.4 |
| 12 OPzS 1500 | NVZS021500WC0FA | 966 | 952 | 923 | 884 | 824 | 676 | 598 | 524 | 413 | 346 | 301 | 212 | 178 | 97.4 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1025 | 1010 | 977 | 936 | 873 | 716 | 634 | 554 | 437 | 366 | 319 | 225 | 188 | 103 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1395 | 1375 | 1320 | 1260 | 1165 | 933 | 817 | 705 | 547 | 458 | 398 | 281 | 235 | 129 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1460 | 1440 | 1390 | 1325 | 1225 | 993 | 871 | 755 | 595 | 498 | 434 | 306 | 256 | 141 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1735 | 1710 | 1645 | 1565 | 1450 | 1165 | 1015 | 877 | 680 | 569 | 496 | 350 | 293 | 161 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1855 | 1830 | 1765 | 1680 | 1550 | 1245 | 1090 | 940 | 729 | 610 | 531 | 375 | 313 | 172 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2000 | 1970 | 1900 | 1810 | 1675 | 1360 | 1190 | 1030 | 814 | 681 | 593 | 419 | 350 | 192 |

# Classic OPzS

## Constant current discharge · OPzS cells

### 1.70 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 173 | 157 | 139 | 125 | 105 | 69.7 | 54.8 | 45.2 | 35.2 | 28.3 | 23.9 | 16.0 | 13.3 | 7.30 |
| 3 OPzS 150 | NVZS020150WC0FB | 220 | 200 | 177 | 160 | 134 | 89.4 | 71.0 | 59.1 | 46.0 | 37.0 | 31.2 | 21.1 | 17.5 | 9.60 |
| 4 OPzS 200 | NVZS020200WC0FB | 284 | 258 | 229 | 206 | 172 | 115 | 90.3 | 75.2 | 58.6 | 47.3 | 39.7 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 | NVZS020250WC0FB | 344 | 313 | 278 | 250 | 210 | 141 | 111 | 93.0 | 71.8 | 57.9 | 48.9 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 | NVZS020300WC0FB | 403 | 366 | 325 | 292 | 247 | 166 | 132 | 111 | 84.8 | 68.4 | 58.0 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 | NVZS020350WC0FB | 394 | 368 | 339 | 316 | 274 | 202 | 161 | 134 | 100 | 81.4 | 69.5 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 | NVZS020420WC0FB | 453 | 423 | 390 | 364 | 319 | 235 | 189 | 158 | 120 | 97.7 | 83.3 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 | NVZS020490WC0FB | 517 | 483 | 446 | 416 | 364 | 269 | 218 | 183 | 140 | 114 | 97.0 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 | NVZS020600WC0FB | 562 | 535 | 507 | 479 | 433 | 337 | 279 | 233 | 173 | 139 | 118 | 84.3 | 70.7 | 39.1 |
| 7 OPzS 700 | NVZS020700WC0FB | 619 | 590 | 559 | 528 | 478 | 371 | 308 | 257 | 191 | 154 | 130 | 93.0 | 78.0 | 43.1 |
| 8 OPzS 800 | NVZS020800WC0FB | 824 | 785 | 728 | 678 | 606 | 471 | 379 | 322 | 237 | 190 | 160 | 114 | 94.6 | 52.3 |
| 9 OPzS 900 | NVZS020900WC0FB | 888 | 846 | 784 | 730 | 653 | 508 | 409 | 347 | 255 | 204 | 172 | 123 | 102 | 56.4 |
| 10 OPzS 1000 | NVZS021000WC0FB | 988 | 941 | 881 | 826 | 743 | 577 | 471 | 397 | 294 | 237 | 199 | 142 | 119 | 65.6 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1135 | 1080 | 1020 | 964 | 873 | 678 | 562 | 469 | 349 | 281 | 237 | 170 | 142 | 78.8 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1145 | 1125 | 1085 | 1030 | 950 | 768 | 665 | 573 | 442 | 367 | 318 | 219 | 182 | 100 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1215 | 1190 | 1150 | 1090 | 1005 | 814 | 704 | 607 | 468 | 389 | 337 | 232 | 193 | 106 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1655 | 1625 | 1555 | 1470 | 1345 | 1060 | 907 | 771 | 585 | 486 | 421 | 290 | 241 | 132 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1735 | 1700 | 1635 | 1545 | 1410 | 1125 | 968 | 826 | 637 | 529 | 458 | 316 | 262 | 144 |
| 20 OPzS 2500 | NVZS022500WC0FA | 2060 | 2020 | 1930 | 1830 | 1670 | 1320 | 1130 | 960 | 728 | 605 | 524 | 361 | 300 | 165 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2205 | 2165 | 2070 | 1960 | 1785 | 1415 | 1210 | 1025 | 780 | 648 | 561 | 387 | 321 | 176 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2375 | 2330 | 2230 | 2115 | 1930 | 1540 | 1325 | 1130 | 871 | 723 | 626 | 432 | 358 | 197 |

### 1.65 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 196 | 174 | 151 | 135 | 111 | 71.8 | 55.8 | 46.4 | 35.7 | 28.6 | 24.1 | 16.0 | 13.3 | 7.30 |
| 3 OPzS 150 | NVZS020150WC0FB | 249 | 221 | 194 | 172 | 142 | 91.7 | 72.3 | 60.1 | 46.7 | 37.5 | 31.5 | 21.1 | 17.5 | 9.60 |
| 4 OPzS 200 | NVZS020200WC0FB | 322 | 286 | 249 | 222 | 182 | 118 | 92.0 | 76.4 | 59.4 | 47.7 | 40.1 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 | NVZS020250WC0FB | 392 | 348 | 303 | 270 | 222 | 145 | 113 | 94.6 | 72.8 | 58.6 | 49.4 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 | NVZS020300WC0FB | 458 | 407 | 355 | 315 | 261 | 171 | 134 | 113 | 86.0 | 69.3 | 58.6 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 | NVZS020350WC0FB | 454 | 417 | 379 | 349 | 297 | 211 | 167 | 137 | 103 | 82.9 | 69.9 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 | NVZS020420WC0FB | 522 | 480 | 437 | 402 | 346 | 246 | 196 | 162 | 123 | 99.1 | 83.7 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 | NVZS020490WC0FB | 596 | 548 | 499 | 459 | 395 | 280 | 226 | 187 | 143 | 115 | 97.5 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 | NVZS020600WC0FB | 643 | 605 | 576 | 541 | 482 | 364 | 294 | 243 | 177 | 141 | 119 | 86.4 | 71.4 | 39.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 710 | 668 | 635 | 596 | 532 | 401 | 324 | 269 | 196 | 156 | 131 | 95.3 | 78.8 | 43.5 |
| 8 OPzS 800 | NVZS020800WC0FB | 945 | 890 | 824 | 760 | 673 | 502 | 399 | 335 | 244 | 194 | 162 | 116 | 95.6 | 52.8 |
| 9 OPzS 900 | NVZS020900WC0FB | 1015 | 958 | 887 | 818 | 725 | 541 | 430 | 361 | 263 | 209 | 174 | 124 | 103 | 56.8 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1130 | 1065 | 999 | 929 | 826 | 620 | 496 | 414 | 302 | 241 | 201 | 145 | 120 | 66.1 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1295 | 1220 | 1160 | 1090 | 971 | 733 | 592 | 490 | 358 | 286 | 240 | 174 | 144 | 79.5 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1330 | 1300 | 1240 | 1175 | 1070 | 853 | 721 | 612 | 462 | 382 | 330 | 223 | 184 | 101 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1410 | 1375 | 1315 | 1245 | 1135 | 904 | 763 | 648 | 490 | 405 | 349 | 236 | 194 | 107 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1920 | 1875 | 1775 | 1675 | 1510 | 1180 | 984 | 824 | 612 | 506 | 436 | 295 | 243 | 133 |
| 18 OPzS 2250 | NVZS022250WC0FA | 2015 | 1965 | 1870 | 1765 | 1590 | 1250 | 1050 | 882 | 666 | 550 | 475 | 321 | 265 | 145 |
| 20 OPzS 2500 | NVZS022500WC0FA | 2390 | 2335 | 2215 | 2090 | 1885 | 1465 | 1220 | 1025 | 762 | 630 | 543 | 367 | 302 | 166 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2555 | 2495 | 2370 | 2235 | 2015 | 1570 | 1310 | 1100 | 815 | 674 | 582 | 393 | 324 | 178 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2755 | 2690 | 2555 | 2415 | 2175 | 1710 | 1435 | 1205 | 911 | 753 | 650 | 439 | 362 | 199 |

# Classic OPzS

## Constant current discharge · OPzS cells

### 1.60 Vpc – Discharge in A at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 216 | 188 | 162 | 143 | 116 | 73.3 | 56.4 | 46.5 | 36.0 | 29.4 | 24.0 | 16.0 | 13.3 | 7.30 |
| 3 OPzS 150 | NVZS020150WC0FB | 275 | 239 | 207 | 182 | 147 | 93.4 | 72.9 | 60.7 | 47.0 | 37.3 | 31.4 | 21.1 | 17.5 | 9.60 |
| 4 OPzS 200 | NVZS020200WC0FB | 355 | 309 | 267 | 235 | 190 | 121 | 92.8 | 77.3 | 59.9 | 47.6 | 39.9 | 26.9 | 22.3 | 12.2 |
| 5 OPzS 250 | NVZS020250WC0FB | 434 | 377 | 325 | 286 | 232 | 148 | 114 | 95.7 | 73.4 | 58.3 | 49.2 | 33.1 | 27.6 | 15.1 |
| 6 OPzS 300 | NVZS020300WC0FB | 508 | 442 | 381 | 335 | 272 | 176 | 136 | 114 | 86.6 | 68.8 | 58.3 | 39.3 | 32.9 | 18.0 |
| 5 OPzS 350 | NVZS020350WC0FB | 515 | 466 | 418 | 377 | 319 | 217 | 171 | 139 | 105 | 83.4 | 69.2 | 47.1 | 39.9 | 22.0 |
| 6 OPzS 420 | NVZS020420WC0FB | 592 | 536 | 481 | 435 | 370 | 253 | 200 | 165 | 125 | 99.3 | 82.8 | 57.8 | 47.8 | 26.4 |
| 7 OPzS 490 | NVZS020490WC0FB | 676 | 612 | 549 | 496 | 423 | 288 | 231 | 190 | 146 | 116 | 96.5 | 67.3 | 55.7 | 30.7 |
| 6 OPzS 600 | NVZS020600WC0FB | 723 | 673 | 645 | 602 | 528 | 388 | 305 | 252 | 179 | 142 | 119 | 86.4 | 71.4 | 39.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 799 | 743 | 712 | 665 | 583 | 428 | 336 | 278 | 197 | 156 | 131 | 95.3 | 78.8 | 43.5 |
| 8 OPzS 800 | NVZS020800WC0FB | 1065 | 992 | 917 | 837 | 737 | 524 | 416 | 342 | 248 | 195 | 162 | 116 | 95.6 | 52.8 |
| 9 OPzS 900 | NVZS020900WC0FB | 1150 | 1070 | 988 | 902 | 794 | 564 | 448 | 368 | 267 | 211 | 174 | 124 | 103 | 56.8 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1270 | 1185 | 1115 | 1030 | 905 | 653 | 516 | 426 | 305 | 242 | 201 | 145 | 120 | 66.1 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1455 | 1355 | 1300 | 1215 | 1065 | 781 | 614 | 508 | 360 | 286 | 240 | 174 | 144 | 79.5 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1515 | 1470 | 1395 | 1320 | 1190 | 933 | 767 | 642 | 476 | 391 | 337 | 224 | 184 | 101 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1605 | 1560 | 1475 | 1395 | 1260 | 988 | 812 | 680 | 504 | 414 | 356 | 238 | 194 | 107 |
| 16 OPzS 2000 | NVZS022000WC0FA | 2185 | 2125 | 1995 | 1880 | 1680 | 1290 | 1045 | 864 | 630 | 518 | 445 | 297 | 243 | 133 |
| 18 OPzS 2250 | NVZS022250WC0FA | 2290 | 2225 | 2100 | 1975 | 1765 | 1370 | 1115 | 926 | 686 | 564 | 485 | 323 | 265 | 145 |
| 20 OPzS 2500 | NVZS022500WC0FA | 2725 | 2645 | 2485 | 2340 | 2090 | 1600 | 1305 | 1080 | 784 | 645 | 554 | 370 | 302 | 166 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2920 | 2835 | 2660 | 2510 | 2240 | 1715 | 1395 | 1155 | 840 | 690 | 594 | 396 | 324 | 178 |
| 24 OPzS 3000 | NVZS023000WC0FA | 3135 | 3045 | 2870 | 2705 | 2415 | 1875 | 1525 | 1265 | 938 | 771 | 663 | 442 | 362 | 199 |

# Classic OPzS

## Constant power discharge · OPzS cells

### 1.90 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 126 | 126 | 120 | 113 | 107 | 87.9 | 74.3 | 64.0 | 50.8 | 42.1 | 36.6 | 26.4 | 21.5 | 12.0 |
| 3 OPzS 150 | NVZS020150WC0FB | 163 | 163 | 156 | 147 | 138 | 114 | 96.2 | 83.7 | 66.4 | 55.4 | 47.9 | 34.8 | 28.4 | 15.8 |
| 4 OPzS 200 | NVZS020200WC0FB | 207 | 207 | 198 | 187 | 176 | 145 | 122 | 106 | 84.5 | 70.4 | 60.9 | 44.3 | 36.1 | 20.1 |
| 5 OPzS 250 | NVZS020250WC0FB | 249 | 249 | 239 | 225 | 214 | 176 | 150 | 131 | 104 | 86.4 | 75.1 | 54.6 | 44.7 | 24.9 |
| 6 OPzS 300 | NVZS020300WC0FB | 288 | 288 | 277 | 262 | 250 | 207 | 177 | 156 | 122 | 102 | 89.1 | 64.8 | 53.3 | 29.7 |
| 5 OPzS 350 | NVZS020350WC0FB | 290 | 290 | 281 | 276 | 255 | 222 | 194 | 171 | 142 | 119 | 104 | 76.5 | 63.9 | 36.4 |
| 6 OPzS 420 | NVZS020420WC0FB | 334 | 334 | 323 | 317 | 296 | 258 | 228 | 202 | 170 | 142 | 125 | 91.6 | 76.5 | 43.6 |
| 7 OPzS 490 | NVZS020490WC0FB | 381 | 381 | 369 | 362 | 338 | 295 | 263 | 234 | 198 | 166 | 146 | 107 | 89.1 | 50.8 |
| 6 OPzS 600 | NVZS020600WC0FB | 434 | 434 | 426 | 410 | 384 | 336 | 301 | 274 | 227 | 197 | 179 | 134 | 114 | 65.1 |
| 7 OPzS 700 | NVZS020700WC0FB | 479 | 479 | 469 | 453 | 424 | 371 | 331 | 302 | 251 | 218 | 197 | 148 | 126 | 71.8 |
| 8 OPzS 800 | NVZS020800WC0FB | 614 | 614 | 594 | 582 | 540 | 478 | 418 | 375 | 310 | 269 | 243 | 180 | 153 | 87.1 |
| 9 OPzS 900 | NVZS020900WC0FB | 661 | 661 | 639 | 627 | 582 | 515 | 450 | 404 | 334 | 290 | 261 | 193 | 165 | 93.8 |
| 10 OPzS 1000 | NVZS021000WC0FB | 748 | 748 | 729 | 709 | 660 | 582 | 514 | 464 | 385 | 335 | 302 | 225 | 192 | 109 |
| 12 OPzS 1200 | NVZS021200WC0FA | 874 | 874 | 857 | 827 | 774 | 678 | 605 | 551 | 458 | 400 | 360 | 270 | 230 | 131 |
| 12 OPzS 1500 | NVZS021500WC0FA | 775 | 775 | 764 | 749 | 728 | 655 | 615 | 570 | 496 | 441 | 403 | 306 | 268 | 143 |
| 14 OPzS 1750 | NVZS021750WC0FA | 821 | 821 | 809 | 813 | 772 | 695 | 645 | 605 | 525 | 466 | 428 | 325 | 284 | 151 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1120 | 1120 | 1095 | 1070 | 1030 | 905 | 836 | 770 | 656 | 584 | 533 | 406 | 355 | 189 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1170 | 1170 | 1150 | 1125 | 1080 | 965 | 890 | 824 | 714 | 635 | 582 | 441 | 386 | 206 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1390 | 1390 | 1360 | 1330 | 1280 | 1140 | 1040 | 956 | 816 | 726 | 665 | 506 | 441 | 236 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1490 | 1490 | 1455 | 1425 | 1370 | 1205 | 1115 | 1025 | 874 | 778 | 712 | 541 | 473 | 252 |
| 24 OPzS 3000 | NVZS023000WC0FA | 1605 | 1605 | 1575 | 1535 | 1480 | 1315 | 1220 | 1125 | 977 | 869 | 795 | 604 | 528 | 282 |

### 1.87 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 154 | 152 | 143 | 135 | 123 | 97.2 | 81.5 | 69.5 | 55.0 | 45.4 | 39.1 | 27.7 | 23.0 | 12.6 |
| 3 OPzS 150 | NVZS020150WC0FB | 198 | 197 | 185 | 172 | 157 | 126 | 105 | 90.9 | 71.9 | 59.4 | 51.0 | 36.6 | 30.4 | 16.6 |
| 4 OPzS 200 | NVZS020200WC0FB | 252 | 250 | 235 | 222 | 203 | 160 | 134 | 116 | 91.5 | 75.6 | 65.0 | 46.5 | 38.6 | 21.1 |
| 5 OPzS 250 | NVZS020250WC0FB | 304 | 302 | 284 | 268 | 246 | 195 | 165 | 143 | 112 | 92.9 | 80.0 | 57.3 | 47.8 | 26.2 |
| 6 OPzS 300 | NVZS020300WC0FB | 353 | 350 | 329 | 311 | 288 | 230 | 194 | 169 | 132 | 109 | 94.9 | 68.0 | 57.0 | 31.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 355 | 351 | 338 | 328 | 303 | 256 | 219 | 191 | 154 | 128 | 113 | 81.8 | 68.4 | 38.3 |
| 6 OPzS 420 | NVZS020420WC0FB | 404 | 402 | 389 | 378 | 352 | 298 | 257 | 226 | 184 | 154 | 135 | 98.0 | 81.9 | 45.8 |
| 7 OPzS 490 | NVZS020490WC0FB | 462 | 458 | 444 | 431 | 401 | 340 | 297 | 261 | 214 | 179 | 157 | 114 | 95.4 | 53.4 |
| 6 OPzS 600 | NVZS020600WC0FB | 521 | 519 | 502 | 484 | 452 | 392 | 345 | 311 | 252 | 215 | 192 | 143 | 122 | 68.5 |
| 7 OPzS 700 | NVZS020700WC0FB | 574 | 572 | 553 | 534 | 498 | 433 | 381 | 343 | 278 | 238 | 212 | 158 | 135 | 75.5 |
| 8 OPzS 800 | NVZS020800WC0FB | 753 | 743 | 710 | 687 | 635 | 551 | 480 | 425 | 343 | 294 | 261 | 192 | 164 | 91.6 |
| 9 OPzS 900 | NVZS020900WC0FB | 804 | 800 | 764 | 739 | 684 | 593 | 516 | 458 | 370 | 317 | 281 | 207 | 176 | 98.7 |
| 10 OPzS 1000 | NVZS021000WC0FB | 905 | 899 | 865 | 836 | 777 | 674 | 590 | 527 | 426 | 364 | 324 | 240 | 205 | 115 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1050 | 1045 | 1010 | 976 | 910 | 790 | 695 | 627 | 508 | 435 | 386 | 288 | 247 | 138 |
| 12 OPzS 1500 | NVZS021500WC0FA | 976 | 974 | 956 | 931 | 838 | 788 | 726 | 665 | 566 | 492 | 443 | 336 | 290 | 158 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1030 | 1030 | 1010 | 995 | 889 | 835 | 769 | 703 | 598 | 521 | 472 | 356 | 308 | 167 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1410 | 1405 | 1365 | 1330 | 1185 | 1085 | 990 | 894 | 745 | 649 | 587 | 445 | 384 | 208 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1480 | 1475 | 1440 | 1400 | 1245 | 1155 | 1055 | 958 | 813 | 708 | 641 | 484 | 417 | 228 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1755 | 1750 | 1700 | 1665 | 1365 | 1355 | 1235 | 1115 | 930 | 810 | 731 | 552 | 478 | 261 |
| 22 OPzS 2750 | NVZS022750WC0FA | 1885 | 1880 | 1825 | 1775 | 1580 | 1450 | 1320 | 1195 | 996 | 867 | 783 | 593 | 514 | 279 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2020 | 2010 | 1965 | 1905 | 1700 | 1580 | 1445 | 1310 | 1110 | 969 | 876 | 661 | 572 | 311 |

# Classic OPzS

## Constant power discharge · OPzS cells

### 1.85 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 172 | 170 | 158 | 149 | 134 | 103 | 86.2 | 73.2 | 57.8 | 47.5 | 40.7 | 28.6 | 24.0 | 13.0 |
| 3 OPzS 150 | NVZS020150WC0FB | 223 | 219 | 205 | 189 | 170 | 134 | 112 | 95.7 | 75.5 | 62.1 | 53.1 | 37.7 | 31.7 | 17.2 |
| 4 OPzS 200 | NVZS020200WC0FB | 283 | 279 | 260 | 245 | 220 | 170 | 142 | 122 | 96.1 | 79.1 | 67.6 | 48.0 | 40.3 | 21.8 |
| 5 OPzS 250 | NVZS020250WC0FB | 342 | 337 | 313 | 296 | 268 | 208 | 174 | 150 | 118 | 97.1 | 83.3 | 59.1 | 49.9 | 27.0 |
| 6 OPzS 300 | NVZS020300WC0FB | 397 | 391 | 364 | 345 | 313 | 244 | 206 | 178 | 139 | 114 | 98.8 | 70.2 | 59.5 | 32.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 397 | 392 | 376 | 363 | 334 | 279 | 236 | 204 | 162 | 135 | 118 | 85.4 | 71.5 | 39.5 |
| 6 OPzS 420 | NVZS020420WC0FB | 451 | 447 | 433 | 418 | 389 | 324 | 277 | 242 | 193 | 162 | 141 | 102 | 85.6 | 47.3 |
| 7 OPzS 490 | NVZS020490WC0FB | 516 | 510 | 494 | 477 | 444 | 370 | 319 | 279 | 225 | 189 | 165 | 119 | 99.7 | 55.1 |
| 6 OPzS 600 | NVZS020600WC0FB | 579 | 575 | 553 | 533 | 497 | 430 | 375 | 336 | 268 | 227 | 201 | 149 | 128 | 70.7 |
| 7 OPzS 700 | NVZS020700WC0FB | 638 | 635 | 610 | 588 | 548 | 474 | 413 | 371 | 296 | 250 | 221 | 164 | 141 | 78.0 |
| 8 OPzS 800 | NVZS020800WC0FB | 845 | 829 | 787 | 756 | 699 | 599 | 521 | 459 | 366 | 310 | 274 | 201 | 171 | 94.6 |
| 9 OPzS 900 | NVZS020900WC0FB | 899 | 893 | 848 | 814 | 753 | 645 | 561 | 494 | 394 | 333 | 295 | 216 | 184 | 102 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1010 | 1000 | 956 | 921 | 854 | 735 | 640 | 569 | 454 | 383 | 339 | 251 | 214 | 119 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1170 | 1160 | 1115 | 1075 | 1000 | 866 | 755 | 677 | 540 | 456 | 404 | 300 | 258 | 142 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1110 | 1105 | 1080 | 1055 | 1010 | 875 | 801 | 728 | 612 | 526 | 471 | 356 | 304 | 167 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1175 | 1170 | 1145 | 1115 | 1070 | 927 | 850 | 770 | 648 | 557 | 500 | 375 | 324 | 177 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1600 | 1595 | 1550 | 1505 | 1430 | 1210 | 1095 | 980 | 809 | 695 | 624 | 470 | 404 | 221 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1675 | 1670 | 1630 | 1580 | 1505 | 1285 | 1165 | 1050 | 881 | 758 | 680 | 513 | 439 | 240 |
| 20 OPzS 2500 | NVZS022500WC0FA | 1990 | 1980 | 1930 | 1875 | 1780 | 1505 | 1365 | 1220 | 1010 | 866 | 777 | 584 | 503 | 276 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2140 | 2130 | 2070 | 2005 | 1905 | 1610 | 1460 | 1305 | 1080 | 929 | 833 | 627 | 538 | 295 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2295 | 2285 | 2225 | 2165 | 2045 | 1755 | 1595 | 1435 | 1205 | 1035 | 931 | 700 | 601 | 329 |

### 1.83 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 190 | 186 | 172 | 161 | 142 | 108 | 89.2 | 75.6 | 59.6 | 48.8 | 41.8 | 29.0 | 24.3 | 13.3 |
| 3 OPzS 150 | NVZS020150WC0FB | 245 | 239 | 221 | 204 | 181 | 139 | 115 | 98.7 | 77.8 | 63.7 | 54.6 | 38.3 | 32.1 | 17.6 |
| 4 OPzS 200 | NVZS020200WC0FB | 313 | 306 | 283 | 264 | 235 | 177 | 147 | 126 | 99.1 | 81.4 | 69.5 | 48.7 | 40.9 | 22.4 |
| 5 OPzS 250 | NVZS020250WC0FB | 380 | 369 | 342 | 320 | 285 | 217 | 180 | 155 | 121 | 99.8 | 85.6 | 60.0 | 50.6 | 27.7 |
| 6 OPzS 300 | NVZS020300WC0FB | 442 | 429 | 397 | 372 | 334 | 255 | 213 | 184 | 143 | 118 | 102 | 71.2 | 60.3 | 33.0 |
| 5 OPzS 350 | NVZS020350WC0FB | 435 | 427 | 408 | 393 | 359 | 295 | 247 | 213 | 167 | 139 | 121 | 86.6 | 72.4 | 40.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 497 | 488 | 470 | 453 | 418 | 343 | 290 | 252 | 201 | 167 | 145 | 104 | 86.7 | 48.1 |
| 7 OPzS 490 | NVZS020490WC0FB | 567 | 557 | 536 | 517 | 477 | 392 | 335 | 291 | 234 | 196 | 168 | 121 | 101 | 56.0 |
| 6 OPzS 600 | NVZS020600WC0FB | 635 | 627 | 600 | 577 | 536 | 459 | 398 | 354 | 280 | 235 | 206 | 152 | 130 | 71.9 |
| 7 OPzS 700 | NVZS020700WC0FB | 699 | 691 | 661 | 636 | 592 | 506 | 439 | 390 | 308 | 258 | 227 | 167 | 143 | 79.3 |
| 8 OPzS 800 | NVZS020800WC0FB | 918 | 908 | 857 | 819 | 754 | 639 | 551 | 483 | 380 | 318 | 281 | 205 | 173 | 96.2 |
| 9 OPzS 900 | NVZS020900WC0FB | 988 | 978 | 923 | 882 | 812 | 689 | 593 | 520 | 409 | 343 | 303 | 220 | 187 | 104 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1105 | 1095 | 1040 | 996 | 922 | 785 | 679 | 599 | 472 | 396 | 349 | 255 | 217 | 121 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1275 | 1265 | 1210 | 1165 | 1080 | 925 | 802 | 712 | 563 | 473 | 415 | 305 | 261 | 145 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1225 | 1220 | 1195 | 1165 | 1110 | 949 | 863 | 778 | 647 | 552 | 491 | 368 | 314 | 173 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1300 | 1295 | 1270 | 1235 | 1175 | 1005 | 915 | 823 | 686 | 586 | 522 | 387 | 334 | 183 |
| 16 OPzS 2000 | NVZS022000WC0FA | 1780 | 1770 | 1715 | 1665 | 1570 | 1310 | 1175 | 1045 | 856 | 731 | 651 | 485 | 415 | 227 |
| 18 OPzS 2250 | NVZS022250WC0FA | 1860 | 1850 | 1800 | 1750 | 1650 | 1390 | 1255 | 1120 | 933 | 796 | 711 | 529 | 452 | 249 |
| 20 OPzS 2500 | NVZS022500WC0FA | 2205 | 2195 | 2140 | 2070 | 1955 | 1630 | 1465 | 1305 | 1066 | 911 | 812 | 603 | 518 | 284 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2365 | 2350 | 2285 | 2215 | 2095 | 1745 | 1570 | 1395 | 1140 | 975 | 871 | 647 | 555 | 306 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2540 | 2525 | 2470 | 2390 | 2250 | 1905 | 1715 | 1535 | 1270 | 1085 | 972 | 722 | 619 | 341 |

# Classic OPzS

## Constant power discharge · OPzS cells

### 1.80 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 220 | 210 | 193 | 178 | 155 | 114 | 93.7 | 79.0 | 62.2 | 50.8 | 43.5 | 29.6 | 24.8 | 13.8 |
| 3 OPzS 150 | NVZS020150WC0FB | 279 | 268 | 245 | 226 | 197 | 147 | 121 | 103 | 81.3 | 66.5 | 56.8 | 39.1 | 32.7 | 18.2 |
| 4 OPzS 200 | NVZS020200WC0FB | 359 | 346 | 317 | 294 | 256 | 188 | 154 | 131 | 103 | 84.8 | 72.3 | 49.7 | 41.7 | 23.2 |
| 5 OPzS 250 | NVZS020250WC0FB | 435 | 418 | 384 | 355 | 311 | 229 | 190 | 162 | 127 | 104 | 89.1 | 61.2 | 51.6 | 28.7 |
| 6 OPzS 300 | NVZS020300WC0FB | 507 | 486 | 447 | 414 | 365 | 270 | 224 | 193 | 150 | 123 | 106 | 72.6 | 61.5 | 34.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 492 | 479 | 457 | 439 | 397 | 319 | 265 | 226 | 176 | 145 | 125 | 88.5 | 73.9 | 41.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 566 | 550 | 526 | 505 | 461 | 371 | 311 | 268 | 211 | 174 | 150 | 106 | 88.5 | 49.3 |
| 7 OPzS 490 | NVZS020490WC0FB | 646 | 628 | 601 | 576 | 526 | 424 | 358 | 309 | 246 | 203 | 174 | 123 | 103 | 57.4 |
| 6 OPzS 600 | NVZS020600WC0FB | 718 | 703 | 670 | 643 | 596 | 503 | 434 | 380 | 296 | 246 | 215 | 156 | 132 | 73.7 |
| 7 OPzS 700 | NVZS020700WC0FB | 792 | 776 | 739 | 709 | 657 | 555 | 478 | 419 | 327 | 274 | 237 | 172 | 146 | 81.3 |
| 8 OPzS 800 | NVZS020800WC0FB | 1040 | 1025 | 961 | 913 | 837 | 700 | 596 | 520 | 400 | 333 | 292 | 210 | 177 | 98.6 |
| 9 OPzS 900 | NVZS020900WC0FB | 1120 | 1105 | 1035 | 984 | 902 | 754 | 641 | 560 | 431 | 358 | 315 | 226 | 191 | 106 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1250 | 1230 | 1165 | 1110 | 1025 | 860 | 737 | 644 | 499 | 415 | 363 | 262 | 222 | 124 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1440 | 1415 | 1350 | 1295 | 1200 | 1015 | 874 | 765 | 597 | 497 | 432 | 314 | 266 | 148 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1410 | 1400 | 1370 | 1330 | 1260 | 1060 | 957 | 854 | 699 | 594 | 525 | 385 | 328 | 182 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1495 | 1485 | 1450 | 1410 | 1335 | 1120 | 1015 | 905 | 740 | 628 | 555 | 406 | 347 | 192 |
| 16 OPzS 2000 | NVZS022000WC0FA | 2040 | 2030 | 1955 | 1895 | 1780 | 1460 | 1305 | 1150 | 926 | 786 | 695 | 507 | 434 | 240 |
| 18 OPzS 2250 | NVZS022250WC0FA | 2130 | 2120 | 2065 | 1995 | 1870 | 1550 | 1395 | 1230 | 1010 | 855 | 756 | 553 | 473 | 261 |
| 20 OPzS 2500 | NVZS022500WC0FA | 2495 | 2480 | 2435 | 2365 | 2210 | 1815 | 1625 | 1430 | 1150 | 978 | 864 | 632 | 540 | 298 |
| 22 OPzS 2750 | NVZS022750WC0FA | 2715 | 2700 | 2615 | 2530 | 2370 | 1950 | 1740 | 1535 | 1235 | 1045 | 927 | 678 | 579 | 320 |
| 24 OPzS 3000 | NVZS023000WC0FA | 2915 | 2895 | 2815 | 2730 | 2555 | 2125 | 1905 | 1685 | 1380 | 1170 | 1035 | 756 | 647 | 359 |

### 1.75 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 258 | 243 | 222 | 201 | 173 | 122 | 98.0 | 82.5 | 64.7 | 52.5 | 44.9 | 30.7 | 25.5 | 14.1 |
| 3 OPzS 150 | NVZS020150WC0FB | 330 | 310 | 280 | 256 | 219 | 156 | 127 | 108 | 84.6 | 69.0 | 58.7 | 40.5 | 33.6 | 18.6 |
| 4 OPzS 200 | NVZS020200WC0FB | 427 | 401 | 365 | 332 | 285 | 200 | 161 | 137 | 108 | 87.7 | 74.7 | 51.6 | 42.8 | 23.7 |
| 5 OPzS 250 | NVZS020250WC0FB | 517 | 485 | 442 | 402 | 347 | 245 | 198 | 170 | 132 | 108 | 92.1 | 63.5 | 53.0 | 29.3 |
| 6 OPzS 300 | NVZS020300WC0FB | 603 | 565 | 516 | 469 | 407 | 289 | 235 | 202 | 156 | 127 | 109 | 75.3 | 63.1 | 35.0 |
| 5 OPzS 350 | NVZS020350WC0FB | 586 | 560 | 527 | 501 | 445 | 347 | 284 | 240 | 183 | 151 | 130 | 91.1 | 75.9 | 42.1 |
| 6 OPzS 420 | NVZS020420WC0FB | 674 | 644 | 607 | 577 | 517 | 404 | 333 | 285 | 220 | 180 | 156 | 109 | 90.9 | 50.4 |
| 7 OPzS 490 | NVZS020490WC0FB | 770 | 735 | 693 | 658 | 590 | 461 | 384 | 328 | 256 | 210 | 181 | 127 | 106 | 58.8 |
| 6 OPzS 600 | NVZS020600WC0FB | 842 | 818 | 777 | 743 | 685 | 560 | 479 | 410 | 314 | 257 | 221 | 160 | 136 | 75.4 |
| 7 OPzS 700 | NVZS020700WC0FB | 930 | 903 | 857 | 819 | 755 | 618 | 528 | 452 | 346 | 283 | 244 | 177 | 150 | 83.1 |
| 8 OPzS 800 | NVZS020800WC0FB | 1230 | 1200 | 1120 | 1055 | 960 | 786 | 654 | 566 | 425 | 348 | 301 | 216 | 180 | 101 |
| 9 OPzS 900 | NVZS020900WC0FB | 1330 | 1290 | 1205 | 1135 | 1035 | 846 | 704 | 609 | 458 | 374 | 324 | 233 | 194 | 109 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1480 | 1435 | 1355 | 1285 | 1175 | 962 | 811 | 698 | 530 | 433 | 374 | 270 | 227 | 126 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1695 | 1650 | 1565 | 1495 | 1380 | 1130 | 964 | 826 | 633 | 516 | 446 | 323 | 274 | 152 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1690 | 1675 | 1630 | 1575 | 1470 | 1210 | 1075 | 951 | 761 | 642 | 565 | 403 | 341 | 189 |
| 14 OPzS 1750 | NVZS021750WC0FA | 1795 | 1780 | 1725 | 1665 | 1560 | 1280 | 1140 | 1005 | 805 | 679 | 599 | 427 | 360 | 200 |
| 16 OPzS 2000 | NVZS022000WC0FA | 2440 | 2420 | 2330 | 2245 | 2080 | 1670 | 1470 | 1280 | 1010 | 850 | 747 | 534 | 450 | 250 |
| 18 OPzS 2250 | NVZS022250WC0FA | 2555 | 2535 | 2455 | 2360 | 2185 | 1775 | 1570 | 1370 | 1095 | 924 | 815 | 581 | 490 | 274 |
| 20 OPzS 2500 | NVZS022500WC0FA | 3035 | 3010 | 2905 | 2786 | 2590 | 2085 | 1825 | 1590 | 1255 | 1055 | 931 | 665 | 561 | 312 |
| 22 OPzS 2750 | NVZS022750WC0FA | 3245 | 3220 | 3115 | 2990 | 2765 | 2230 | 1960 | 1705 | 1345 | 1130 | 997 | 712 | 599 | 334 |
| 24 OPzS 3000 | NVZS023000WC0FA | 3500 | 3465 | 3355 | 3220 | 2990 | 2435 | 2140 | 1870 | 1500 | 1260 | 1115 | 796 | 670 | 372 |

# Classic OPzS

## Constant power discharge · OPzS cells

### 1.70 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 295 | 270 | 242 | 218 | 184 | 126 | 101 | 83.8 | 66.1 | 53.3 | 45.4 | 30.8 | 25.6 | 14.2 |
| 3 OPzS 150 | NVZS020150WC0FB | 376 | 344 | 308 | 279 | 236 | 162 | 130 | 110 | 86.4 | 69.7 | 59.4 | 40.7 | 33.8 | 18.7 |
| 4 OPzS 200 | NVZS020200WC0FB | 485 | 445 | 398 | 359 | 304 | 207 | 166 | 139 | 110 | 89.1 | 75.6 | 51.8 | 43.1 | 23.8 |
| 5 OPzS 250 | NVZS020250WC0FB | 588 | 540 | 483 | 436 | 370 | 254 | 204 | 172 | 135 | 109 | 93.1 | 63.8 | 53.3 | 29.5 |
| 6 OPzS 300 | NVZS020300WC0FB | 689 | 631 | 564 | 509 | 435 | 300 | 242 | 205 | 159 | 129 | 110 | 75.7 | 63.6 | 35.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 673 | 634 | 588 | 552 | 483 | 365 | 295 | 248 | 188 | 153 | 132 | 91.9 | 77.2 | 43.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 774 | 730 | 677 | 635 | 562 | 425 | 346 | 294 | 225 | 184 | 159 | 111 | 92.4 | 51.7 |
| 7 OPzS 490 | NVZS020490WC0FB | 884 | 833 | 773 | 725 | 641 | 485 | 400 | 339 | 263 | 215 | 185 | 130 | 108 | 60.2 |
| 6 OPzS 600 | NVZS020600WC0FB | 961 | 923 | 879 | 835 | 764 | 608 | 512 | 431 | 325 | 262 | 224 | 162 | 137 | 76.6 |
| 7 OPzS 700 | NVZS020700WC0FB | 1055 | 1020 | 969 | 921 | 842 | 670 | 564 | 476 | 359 | 290 | 247 | 179 | 151 | 84.4 |
| 8 OPzS 800 | NVZS020800WC0FB | 1405 | 1355 | 1265 | 1185 | 1070 | 851 | 696 | 598 | 444 | 358 | 305 | 219 | 183 | 102 |
| 9 OPzS 900 | NVZS020900WC0FB | 1515 | 1460 | 1360 | 1275 | 1150 | 917 | 750 | 644 | 478 | 384 | 328 | 236 | 197 | 110 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1685 | 1620 | 1530 | 1440 | 1310 | 1045 | 865 | 736 | 551 | 447 | 379 | 273 | 229 | 128 |
| 12 OPzS 1200 | NVZS021200WC0FA | 1940 | 1860 | 1770 | 1685 | 1540 | 1225 | 1030 | 869 | 656 | 530 | 451 | 327 | 276 | 154 |
| 12 OPzS 1500 | NVZS021500WC0FA | 1950 | 1930 | 1865 | 1785 | 1660 | 1350 | 1175 | 1025 | 803 | 672 | 590 | 414 | 348 | 193 |
| 14 OPzS 1750 | NVZS021750WC0FA | 2070 | 2040 | 1980 | 1890 | 1755 | 1430 | 1245 | 1085 | 850 | 712 | 626 | 438 | 368 | 205 |
| 16 OPzS 2000 | NVZS022000WC0FA | 2820 | 2790 | 2675 | 2550 | 2345 | 1860 | 1605 | 1375 | 1065 | 889 | 792 | 548 | 460 | 255 |
| 18 OPzS 2250 | NVZS022250WC0FA | 2955 | 2915 | 2810 | 2680 | 2460 | 1975 | 1715 | 1475 | 1155 | 968 | 850 | 597 | 500 | 279 |
| 20 OPzS 2500 | NVZS022500WC0FA | 3510 | 3465 | 3320 | 3175 | 2915 | 2315 | 2000 | 1715 | 1325 | 1105 | 973 | 682 | 573 | 319 |
| 22 OPzS 2750 | NVZS022750WC0FA | 3760 | 3715 | 3560 | 3400 | 3115 | 2485 | 2140 | 1830 | 1415 | 1185 | 1040 | 731 | 613 | 341 |
| 24 OPzS 3000 | NVZS023000WC0FA | 4045 | 3995 | 3835 | 3670 | 3370 | 2705 | 2345 | 2015 | 1585 | 1320 | 1160 | 816 | 684 | 381 |

### 1.65 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 326 | 292 | 257 | 230 | 191 | 128 | 102 | 85.5 | 66.8 | 53.7 | 45.8 | 30.8 | 25.6 | 14.2 |
| 3 OPzS 150 | NVZS020150WC0FB | 414 | 371 | 329 | 294 | 245 | 163 | 131 | 111 | 87.3 | 70.5 | 59.8 | 40.7 | 33.8 | 18.7 |
| 4 OPzS 200 | NVZS020200WC0FB | 536 | 481 | 423 | 379 | 315 | 211 | 167 | 141 | 111 | 89.7 | 76.1 | 51.8 | 43.1 | 23.8 |
| 5 OPzS 250 | NVZS020250WC0FB | 652 | 584 | 514 | 460 | 384 | 259 | 206 | 174 | 136 | 110 | 93.8 | 63.8 | 53.3 | 29.5 |
| 6 OPzS 300 | NVZS020300WC0FB | 762 | 684 | 601 | 538 | 452 | 306 | 244 | 208 | 161 | 130 | 111 | 75.7 | 63.6 | 35.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 755 | 701 | 643 | 595 | 514 | 377 | 303 | 253 | 192 | 156 | 133 | 91.9 | 77.2 | 43.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 869 | 807 | 740 | 685 | 598 | 438 | 356 | 299 | 230 | 186 | 159 | 111 | 92.4 | 51.7 |
| 7 OPzS 490 | NVZS020490WC0FB | 992 | 921 | 845 | 782 | 683 | 500 | 410 | 345 | 268 | 216 | 185 | 130 | 108 | 60.2 |
| 6 OPzS 600 | NVZS020600WC0FB | 1065 | 1015 | 976 | 922 | 834 | 648 | 534 | 449 | 332 | 265 | 226 | 166 | 138 | 77.1 |
| 7 OPzS 700 | NVZS020700WC0FB | 1175 | 1120 | 1075 | 1015 | 919 | 715 | 589 | 495 | 366 | 293 | 249 | 183 | 152 | 85.1 |
| 8 OPzS 800 | NVZS020800WC0FB | 1565 | 1495 | 1395 | 1295 | 1165 | 895 | 726 | 617 | 456 | 365 | 307 | 222 | 185 | 103 |
| 9 OPzS 900 | NVZS020900WC0FB | 1685 | 1610 | 1505 | 1395 | 1255 | 964 | 782 | 665 | 491 | 393 | 331 | 239 | 199 | 111 |
| 10 OPzS 1000 | NVZS021000WC0FB | 1875 | 1790 | 1695 | 1585 | 1430 | 1105 | 903 | 763 | 564 | 453 | 382 | 278 | 231 | 129 |
| 12 OPzS 1200 | NVZS021200WC0FA | 2150 | 2050 | 1965 | 1860 | 1680 | 1305 | 1075 | 904 | 669 | 538 | 455 | 334 | 278 | 155 |
| 12 OPzS 1500 | NVZS021500WC0FA | 2200 | 2170 | 2085 | 1995 | 1835 | 1475 | 1260 | 1080 | 832 | 695 | 610 | 419 | 350 | 195 |
| 14 OPzS 1750 | NVZS021750WC0FA | 2330 | 2295 | 2210 | 2115 | 1945 | 1565 | 1330 | 1145 | 883 | 737 | 645 | 444 | 369 | 206 |
| 16 OPzS 2000 | NVZS022000WC0FA | 3175 | 3130 | 2980 | 2845 | 2590 | 2040 | 1715 | 1455 | 1105 | 921 | 805 | 555 | 462 | 257 |
| 18 OPzS 2250 | NVZS022250WC0FA | 3330 | 3280 | 3140 | 3000 | 2725 | 2160 | 1830 | 1555 | 1200 | 1000 | 877 | 603 | 503 | 280 |
| 20 OPzS 2500 | NVZS022500WC0FA | 3955 | 3900 | 3720 | 3555 | 3235 | 2535 | 2130 | 1810 | 1375 | 1145 | 1005 | 690 | 574 | 320 |
| 22 OPzS 2750 | NVZS022750WC0FA | 4225 | 4165 | 3980 | 3800 | 3455 | 2715 | 2285 | 1940 | 1470 | 1225 | 1075 | 739 | 616 | 343 |
| 24 OPzS 3000 | NVZS023000WC0FA | 4555 | 4490 | 4290 | 4105 | 3730 | 2960 | 2505 | 2125 | 1640 | 1370 | 1200 | 825 | 688 | 384 |

# Classic OPzS

## Constant power discharge · OPzS cells

### 1.60 Vpc – Discharge in W at 20 °C

| Type | Part number | 3 min | 10 min | 15 min | 20 min | 30 min | 1 h | 1.5 h | 2 h | 3 h | 4h | 5 h | 8 h | 10 h | 20 h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 OPzS 100 | NVZS020100WC0FB | 350 | 308 | 269 | 239 | 197 | 129 | 102 | 85.1 | 67.0 | 55.3 | 45.8 | 30.8 | 25.6 | 14.2 |
| 3 OPzS 150 | NVZS020150WC0FB | 445 | 392 | 343 | 304 | 250 | 165 | 131 | 111 | 87.6 | 70.1 | 59.8 | 40.7 | 33.8 | 18.7 |
| 4 OPzS 200 | NVZS020200WC0FB | 575 | 507 | 443 | 394 | 324 | 213 | 167 | 141 | 112 | 89.5 | 76.1 | 51.8 | 43.1 | 23.8 |
| 5 OPzS 250 | NVZS020250WC0FB | 703 | 618 | 539 | 479 | 395 | 262 | 206 | 175 | 137 | 110 | 93.8 | 63.8 | 53.3 | 29.5 |
| 6 OPzS 300 | NVZS020300WC0FB | 822 | 724 | 632 | 561 | 464 | 310 | 244 | 209 | 161 | 129 | 111 | 75.7 | 63.6 | 35.2 |
| 5 OPzS 350 | NVZS020350WC0FB | 834 | 763 | 693 | 632 | 543 | 383 | 307 | 254 | 195 | 157 | 133 | 91.9 | 77.2 | 43.2 |
| 6 OPzS 420 | NVZS020420WC0FB | 959 | 879 | 797 | 728 | 631 | 445 | 361 | 302 | 233 | 187 | 159 | 111 | 92.4 | 51.7 |
| 7 OPzS 490 | NVZS020490WC0FB | 1095 | 1005 | 910 | 831 | 720 | 509 | 416 | 348 | 272 | 218 | 185 | 130 | 108 | 60.2 |
| 6 OPzS 600 | NVZS020600WC0FB | 1165 | 1105 | 1070 | 1010 | 900 | 684 | 549 | 462 | 333 | 266 | 226 | 166 | 138 | 77.1 |
| 7 OPzS 700 | NVZS020700WC0FB | 1290 | 1220 | 1180 | 1115 | 992 | 754 | 605 | 509 | 367 | 292 | 249 | 183 | 152 | 85.1 |
| 8 OPzS 800 | NVZS020800WC0FB | 1720 | 1625 | 1520 | 1400 | 1255 | 925 | 749 | 626 | 461 | 366 | 307 | 222 | 185 | 103 |
| 9 OPzS 900 | NVZS020900WC0FB | 1855 | 1750 | 1640 | 1510 | 1350 | 996 | 807 | 675 | 497 | 396 | 331 | 239 | 198 | 111 |
| 10 OPzS 1000 | NVZS021000WC0FB | 2050 | 1945 | 1850 | 1725 | 1540 | 1150 | 930 | 780 | 568 | 454 | 382 | 278 | 231 | 129 |
| 12 OPzS 1200 | NVZS021200WC0FA | 2350 | 2225 | 2150 | 2035 | 1815 | 1380 | 1105 | 931 | 671 | 536 | 455 | 334 | 278 | 155 |
| 12 OPzS 1500 | NVZS021500WC0FA | 2435 | 2390 | 2290 | 2200 | 2005 | 1590 | 1325 | 1120 | 854 | 710 | 619 | 420 | 350 | 195 |
| 14 OPzS 1750 | NVZS021750WC0FA | 2580 | 2535 | 2420 | 2320 | 2125 | 1685 | 1400 | 1185 | 905 | 751 | 654 | 446 | 369 | 206 |
| 16 OPzS 2000 | NVZS022000WC0FA | 3515 | 3455 | 3270 | 3130 | 2830 | 2200 | 1805 | 1510 | 1130 | 940 | 817 | 557 | 462 | 257 |
| 18 OPzS 2250 | NVZS022250WC0FA | 3685 | 3615 | 3445 | 3290 | 2975 | 2335 | 1925 | 1615 | 1230 | 1025 | 890 | 606 | 503 | 280 |
| 20 OPzS 2500 | NVZS022500WC0FA | 4385 | 4300 | 4075 | 3895 | 3520 | 2730 | 2250 | 1885 | 1405 | 1170 | 1020 | 694 | 574 | 320 |
| 22 OPzS 2750 | NVZS022750WC0FA | 4700 | 4605 | 4360 | 4180 | 3775 | 2925 | 2405 | 2015 | 1510 | 1250 | 1090 | 742 | 616 | 343 |
| 24 OPzS 3000 | NVZS023000WC0FA | 5045 | 4950 | 4705 | 4505 | 4070 | 3195 | 2630 | 2205 | 1685 | 1400 | 1220 | 829 | 688 | 384 |

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# Classic OPzS

## Notes

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