



Industrial Batteries – Network Power  
Classic OPzS  
Energy storage for economical safety.

Specifications

# Developed from experience - produced for safe power supply.

## 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 capacity 50 – 3350 Ah C<sub>10</sub>; up to 12000 Ah on request
- Design life at 20°C
  - 15 years for 6/12 V blocks and cells ≥ 3500 Ah;
  - 20 years for 2 V cells 125 – 3350 Ah (80% remaining capacity from C<sub>10</sub>)
- Also designed for cyclic applications
- Containers made from high-quality transparent plastics (blocks= ABS/ cells = SAN)
- Tubular plates in block and single cell version
- Also available in dry charged condition with separate electrolyte
- Low gassing due to antimony alloy < 3% (EN 50272-2)
- Conforms to DIN 40 736 and DIN 40 737 T3
- Electrolyte: diluted sulphuric acid d<sub>N</sub> = 1.24 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.



		
Design life in years: 15 for blocks + cells ≥ 3500 Ah 20 for cells ≤ 3350 Ah	Nominal capacity 50 – 3350 Ah (up to 12000 Ah on request)	Block battery / single cell
		
Tubular plate	Recyclable	Low maintenance

Exide type designation  acc. DIN 40 737 T3 blocks 40 736 T1 cells	Part number	Nom. Voltage  V	Nominal capacity C <sub>10</sub> 1.80 Vpc 20 °C Ah	Length (l)  max. mm	Width (b/w)  max. mm	Height* (h)  max. mm	Installed length (L)  mm	Weight incl. acid  approx. kg	Weight acid**  approx. kg	Internal resistance  mOhm	Short circuit current  A	Terminal	Pole pairs
6V 4 OPzS 200 LA	NVZS060200WC0FA	6	200	275	208	385	285	41.0	13.0	2.68	2283	F-M8	1
6V 5 OPzS 250 LA	NVZS060250WC0FA	6	250	383	208	385	393	56.0	20.0	2.39	2800	F-M8	1
6V 6 OPzS 300 LA	NVZS060300WC0FA	6	300	383	208	385	393	63.0	20.0	1.96	3106	F-M8	1
12V 1 OPzS 50 LA	NVZS120050WC0FA	12	50.0	275	208	385	285	35.0	15.0	18.2	688	F-M8	1
12V 2 OPzS 100 LA	NVZS120100WC0FA	12	100	275	208	385	285	45.0	14.0	9.26	1314	F-M8	1
12V 3 OPzS 150 LA	NVZS120150WC0FA	12	150	383	208	385	393	64.0	19.0	6.46	1884	F-M8	1
2 OPzS 100 LA	NVZS020100WC0FA	2	125	105	208	405	115	13.7	5.20	1.45	1400	F-M8	1
3 OPzS 150 LA	NVZS020150WC0FA	2	165	105	208	405	115	15.2	5.00	1.05	1950	F-M8	1
4 OPzS 200 LA	NVZS020200WC0FA	2	210	105	208	405	115	16.6	4.60	0.83	2450	F-M8	1
5 OPzS 250 LA	NVZS020250WC0FA	2	260	126	208	405	136	20.0	5.80	0.72	2850	F-M8	1
6 OPzS 300 LA	NVZS020300WC0FA	2	310	147	208	405	157	23.3	6.90	0.63	3250	F-M8	1
5 OPzS 350 LA	NVZS020350WC0FA	2	380	126	208	520	136	26.7	8.10	0.63	3250	F-M8	1
6 OPzS 420 LA	NVZS020420WC0FA	2	455	147	208	520	157	31.0	9.31	0.57	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	33.7	0.24	8500	F-M8	2
14 OPzS 1750 LA	NVZS021750WC0FA	2	1800	215	277	845	225	114	32.7	0.22	9300	F-M8	2
16 OPzS 2000 LA	NVZS022000WC0FA	2	2250	215	400	815	225	151	50.0	0.16	12800	F-M8	3
18 OPzS 2250 LA	NVZS022250WC0FA	2	2450	215	400	815	225	158	48.0	0.15	14600	F-M8	3
20 OPzS 2500 LA	NVZS022500WC0FA	2	2800	215	490	815	225	184	60.0	0.12	17000	F-M8	4
22 OPzS 2750 LA	NVZS022750WC0FA	2	3000	215	490	815	225	191	58.0	0.11	17800	F-M8	4
24 OPzS 3000 LA	NVZS023000WC0FA	2	3350	215	580	815	225	217	71.0	0.11	18600	F-M8	4

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

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

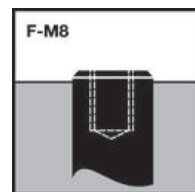
## Container, terminal and torque

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

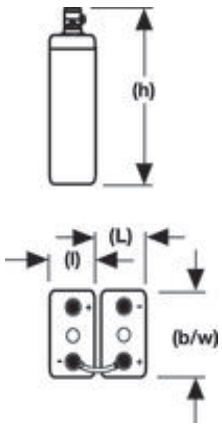
dry charged NVZS120050 D C0FA



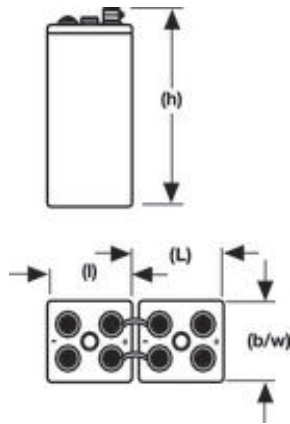
20 Nm

**Container:** ABS (Block)  
SAN (Styrolacrylnitril) (Cell)

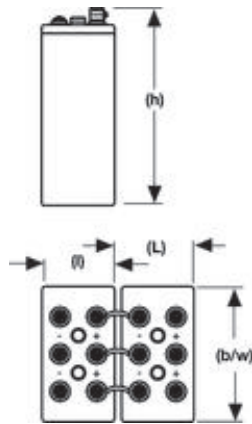
2 OPzS 100 LA  
-  
7 OPzS 700 LA



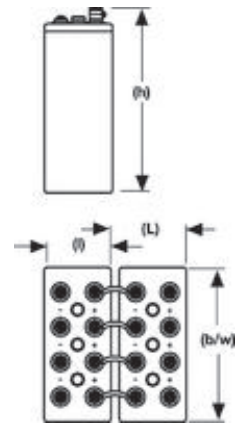
8 OPzS 800 LA  
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14 OPzS 1750 LA



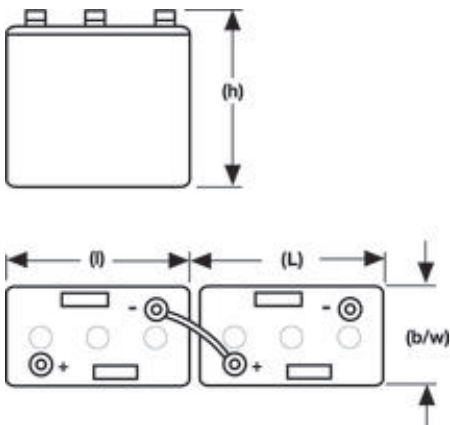
16 OPzS 2000 LA  
-  
18 OPzS 2250 LA



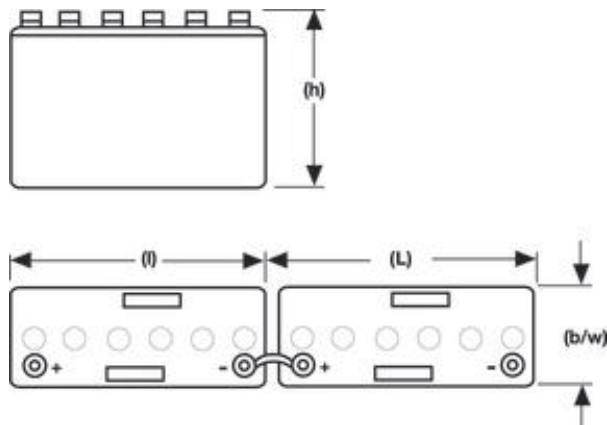
20 OPzS 2500 LA  
-  
24 OPzS 3000 LA



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



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



OPzS blocks

1.90 Vpc – Discharge in A at 20 °C													
Exide type designation	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	NVZS060200WC0FA	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	NVZS060250WC0FA	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	NVZS060300WC0FA	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	NVZS120050WC0FA	32.0	29.0	25.0	21.3	16.1	11.7	9.69	8.19	7.00	6.30	5.60	5.00
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	8.90
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

1.87 Vpc – Discharge in A at 20 °C													
Exide type designation	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	NVZS060200WC0FA	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	NVZS060250WC0FA	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	NVZS060300WC0FA	195	176	160	135	104	76.5	59.2	51.0	44.0	38.0	32.0	27.0
12V 1 OPzS 50 LA	NVZS120050WC0FA	40.0	35.0	31.0	25.5	19.4	13.6	11.2	9.30	8.19	7.20	6.00	5.50
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	9.50
12V 3 OPzS 150 LA	NVZS120150WC0FA	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													
Exide type designation	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	NVZS060200WC0FA	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	NVZS060250WC0FA	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	NVZS060300WC0FA	216	195	177	147	113	79.0	62.0	54.0	46.0	40.5	33.7	28.0
12V 1 OPzS 50 LA	NVZS120050WC0FA	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	NVZS120100WC0FA	87.5	78.0	69.5	55.0	41.0	28.8	21.4	17.8	15.6	14.3	11.8	9.69
12V 3 OPzS 150 LA	NVZS120150WC0FA	130	112	102	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													
Exide type designation	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	NVZS060200WC0FA	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	NVZS060250WC0FA	207	190	171	135	102	71.4	55.0	46.5	40.3	36.3	30.2	24.5
6V 6 OPzS 300 LA	NVZS060300WC0FA	237	213	195	160	123	85.7	66.3	56.5	48.3	42.5	34.8	29.0
12V 1 OPzS 50 LA	NVZS120050WC0FA	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	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	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													
Exide type designation	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	NVZS060200WC0FA	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	NVZS060250WC0FA	240	212	190	150	110	74.5	59.2	49.0	42.8	37.8	31.2	25.5
6V 6 OPzS 300 LA	NVZS060300WC0FA	260	240	218	177	135	89.3	70.4	59.5	51.0	44.5	35.8	30.3
12V 1 OPzS 50 LA	NVZS120050WC0FA	57.0	49.0	44.0	34.0	25.2	17.1	13.5	11.0	9.50	8.19	6.90	5.90
12V 2 OPzS 100 LA	NVZS120100WC0FA	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	NVZS120150WC0FA	160	135	120	95.0	70.4	47.1	36.0	29.8	25.7	22.7	18.6	15.0



OPzS blocks

1.75 Vpc – Discharge in A at 20 °C													
Exide type designation	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	NVZS060200WC0FA	235	206	185	140	97.9	66.0	50.0	40.5	35.8	31.2	25.7	20.4
6V 5 OPzS 250 LA	NVZS060250WC0FA	285	250	220	165	120	81.0	62.0	51.0	44.0	39.1	32.3	26.1
6V 6 OPzS 300 LA	NVZS060300WC0FA	340	295	260	200	143	98.3	74.5	62.0	52.5	45.8	36.8	30.6
12V 1 OPzS 50 LA	NVZS120050WC0FA	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	NVZS120100WC0FA	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	NVZS120150WC0FA	185	155	136	102	73.4	50.0	37.5	31.2	27.0	24.0	19.4	15.3

1.70 Vpc – Discharge in A at 20 °C													
Exide type designation	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	NVZS060200WC0FA	270	232	208	155	108	68.0	51.6	41.5	37.5	31.7	26.0	20.8
6V 5 OPzS 250 LA	NVZS060250WC0FA	340	287	255	183	131	84.0	63.5	52.3	45.0	40.1	33.0	26.5
6V 6 OPzS 300 LA	NVZS060300WC0FA	380	333	295	220	159	103	77.0	63.6	53.5	46.4	37.3	31.2
12V 1 OPzS 50 LA	NVZS120050WC0FA	75.0	62.0	54.0	39.0	27.3	18.5	14.4	11.8	10.0	8.69	7.30	6.30
12V 2 OPzS 100 LA	NVZS120100WC0FA	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	NVZS120150WC0FA	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													
Exide type designation	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	NVZS060200WC0FA	293	247	219	160	111	68.5	52.5	41.8	36.1	32.0	26.1	21.0
6V 5 OPzS 250 LA	NVZS060250WC0FA	362	307	268	193	133	84.5	63.9	52.6	45.6	40.5	33.3	26.6
6V 6 OPzS 300 LA	NVZS060300WC0FA	417	355	315	231	163	105	78.0	64.1	54.0	46.6	37.5	31.3
12V 1 OPzS 50 LA	NVZS120050WC0FA	80.0	66.0	56.0	40.0	27.7	18.7	14.5	11.9	10.0	8.80	7.30	6.30
12V 2 OPzS 100 LA	NVZS120100WC0FA	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	NVZS120150WC0FA	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													
Exide type designation	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	NVZS060200WC0FA	307	258	226	163	113	69.0	52.9	42.0	36.2	32.2	26.2	21.0
6V 5 OPzS 250 LA	NVZS060250WC0FA	380	320	278	189	135	85.0	64.1	52.8	46.0	40.8	33.4	26.6
6V 6 OPzS 300 LA	NVZS060300WC0FA	435	369	326	237	165	106	78.5	64.4	54.2	46.8	37.6	31.3
12V 1 OPzS 50 LA	NVZS120050WC0FA	83.0	68.0	58.0	41.0	27.9	18.8	14.5	11.9	10.0	8.80	7.30	6.30
12V 2 OPzS 100 LA	NVZS120100WC0FA	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	NVZS120150WC0FA	240	193	168	120	83.0	53.0	39.2	32.4	28.6	25.5	20.2	15.7

OPzS cells

1.87 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	6,30
3 OPzS 150 LA	NVZS020150WC0FA	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 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	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 LA	NVZS020300WC0FA	189	186	175	166	152	121	102	88,4	68,7	56,5	48,7	34,7	29,0	15,7
5 OPzS 350 LA	NVZS020350WC0FA	190	187	180	174	160	135	115	99,8	79,8	66,5	57,8	41,7	34,8	19,3
6 OPzS 420 LA	NVZS020420WC0FA	216	214	207	201	186	157	135	118	95,6	79,7	69,2	50,0	41,7	23,1
7 OPzS 490 LA	NVZS020490WC0FA	247	245	236	229	213	179	156	136	111	92,5	80,6	58,2	48,5	26,9
6 OPzS 600 LA	NVZS020600WC0FA	279	277	267	257	239	207	181	163	131	111	98,5	72,9	62,3	34,5
7 OPzS 700 LA	NVZS020700WC0FA	307	305	295	284	264	228	200	179	144	123	109	80,4	68,7	38,0
8 OPzS 800 LA	NVZS020800WC0FA	403	396	378	365	337	290	252	222	178	152	134	98,1	83,4	46,1
9 OPzS 900 LA	NVZS020900WC0FA	430	427	407	393	363	312	271	239	192	164	144	106	89,8	49,7
10 OPzS 1000 LA	NVZS021000WC0FA	484	480	461	444	412	355	309	276	221	188	167	123	104	57,8
12 OPzS 1200 LA	NVZS021200WC0FA	562	558	538	518	482	416	365	328	264	225	198	147	125	69,5
12 OPzS 1500 LA	NVZS021500WC0FA	522	521	511	498	479	419	385	352	297	257	230	173	148	79,8
14 OPzS 1750 LA	NVZS021750WC0FA	553	552	541	532	508	444	408	372	314	272	245	183	157	84,5
16 OPzS 2000 LA	NVZS022000WC0FA	754	752	731	712	676	578	525	473	392	339	305	229	196	105
18 OPzS 2250 LA	NVZS022250WC0FA	791	789	769	748	712	615	561	507	427	370	333	249	213	115
20 OPzS 2500 LA	NVZS022500WC0FA	937	936	910	885	779	720	654	589	488	423	380	284	244	132
22 OPzS 2750 LA	NVZS022750WC0FA	1005	1005	976	949	903	771	700	631	523	453	407	305	262	141
24 OPzS 3000 LA	NVZS023000WC0FA	1080	1075	1050	1020	972	841	766	693	584	506	455	340	292	157

1.85 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	6,60
3 OPzS 150 LA	NVZS020150WC0FA	121	118	110	101	90,8	71,0	58,9	50,3	39,4	32,2	27,4	19,3	16,2	8,69
4 OPzS 200 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	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 LA	NVZS020300WC0FA	215	210	195	185	167	130	109	93,7	72,6	59,4	50,9	35,9	30,4	16,3
5 OPzS 350 LA	NVZS020350WC0FA	215	211	202	194	178	148	124	107	84,4	70,2	60,8	43,7	36,5	20,0
6 OPzS 420 LA	NVZS020420WC0FA	244	240	232	224	207	172	146	127	101	84,0	72,8	52,3	43,7	23,9
7 OPzS 490 LA	NVZS020490WC0FA	279	274	265	256	237	196	168	147	118	98,1	84,8	61,0	50,9	27,8
6 OPzS 600 LA	NVZS020600WC0FA	313	309	296	286	265	228	198	177	140	118	103	76,2	65,3	35,7
7 OPzS 700 LA	NVZS020700WC0FA	345	341	327	315	293	251	218	195	155	130	114	84,0	72,0	39,4
8 OPzS 800 LA	NVZS020800WC0FA	457	446	422	405	373	318	275	241	191	161	141	103	87,4	47,8
9 OPzS 900 LA	NVZS020900WC0FA	486	480	455	436	402	342	296	260	206	173	152	111	94,1	51,5
10 OPzS 1000 LA	NVZS021000WC0FA	546	539	513	493	456	390	338	299	237	199	175	128	109	59,9
12 OPzS 1200 LA	NVZS021200WC0FA	631	623	597	575	534	459	399	356	282	237	208	153	132	71,9
12 OPzS 1500 LA	NVZS021500WC0FA	599	596	583	568	544	469	428	388	323	277	246	184	156	85,0
14 OPzS 1750 LA	NVZS021750WC0FA	635	632	617	602	576	497	454	410	342	293	261	194	166	90,0
16 OPzS 2000 LA	NVZS022000WC0FA	865	861	835	811	768	648	585	522	427	366	326	243	207	112
18 OPzS 2250 LA	NVZS022250WC0FA	908	903	878	853	808	688	623	559	465	399	355	265	225	122
20 OPzS 2500 LA	NVZS022500WC0FA	1075	1070	1040	1010	956	806	728	649	532	456	406	302	258	140
22 OPzS 2750 LA	NVZS022750WC0FA	1155	1150	1115	1080	1025	864	779	695	570	489	435	324	276	150
24 OPzS 3000 LA	NVZS023000WC0FA	1240	1235	1200	1165	1100	942	852	764	636	546	486	362	308	167



OPzS cells

1.83 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	6,70
3 OPzS 150 LA	NVZS020150WC0FA	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 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	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 LA	NVZS020300WC0FA	241	231	215	201	180	136	113	97,3	75,2	61,4	52,5	36,5	30,9	16,7
5 OPzS 350 LA	NVZS020350WC0FA	238	232	221	213	194	158	131	113	87,9	72,6	62,5	44,5	37,1	20,3
6 OPzS 420 LA	NVZS020420WC0FA	272	265	255	245	225	183	154	133	105	86,8	74,8	53,2	44,4	24,3
7 OPzS 490 LA	NVZS020490WC0FA	310	303	291	280	257	209	178	154	123	102	87,1	62,0	51,7	28,4
6 OPzS 600 LA	NVZS020600WC0FA	347	341	325	312	289	245	211	187	147	123	107	77,8	66,4	36,4
7 OPzS 700 LA	NVZS020700WC0FA	382	376	359	344	319	270	233	206	162	135	118	85,8	73,2	40,1
8 OPzS 800 LA	NVZS020800WC0FA	505	493	464	443	407	342	292	255	199	166	145	105	88,8	48,7
9 OPzS 900 LA	NVZS020900WC0FA	540	531	500	477	438	368	315	275	214	179	157	113	95,6	52,4
10 OPzS 1000 LA	NVZS021000WC0FA	605	595	563	539	497	420	360	317	248	207	180	131	111	61,0
12 OPzS 1200 LA	NVZS021200WC0FA	698	686	655	629	583	494	426	376	295	247	215	157	134	73,3
12 OPzS 1500 LA	NVZS021500WC0FA	673	668	652	633	602	513	465	418	343	292	258	191	162	88,3
14 OPzS 1750 LA	NVZS021750WC0FA	713	708	691	671	638	543	493	442	364	310	274	201	172	93,4
16 OPzS 2000 LA	NVZS022000WC0FA	973	966	934	904	850	708	634	562	454	387	342	252	214	116
18 OPzS 2250 LA	NVZS022250WC0FA	1015	1010	982	951	894	752	677	602	495	421	373	275	233	127
20 OPzS 2500 LA	NVZS022500WC0FA	1205	1200	1165	1125	1060	881	790	700	566	482	426	313	267	145
22 OPzS 2750 LA	NVZS022750WC0FA	1295	1285	1245	1205	1135	944	846	750	606	516	457	336	286	156
24 OPzS 3000 LA	NVZS023000WC0FA	1390	1380	1345	1300	1220	1030	924	825	675	575	510	375	319	174

1.80 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	7,00
3 OPzS 150 LA	NVZS020150WC0FA	155	148	135	124	107	79,2	64,8	54,9	42,9	34,8	29,5	20,1	16,8	9,19
4 OPzS 200 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	241	230	211	195	170	124	101	86,3	66,9	54,5	46,3	31,6	26,5	14,6
6 OPzS 300 LA	NVZS020300WC0FA	281	268	245	227	199	146	120	103	79,0	64,3	54,9	37,4	31,6	17,4
5 OPzS 350 LA	NVZS020350WC0FA	273	264	251	240	216	172	141	120	93,1	76,2	65,0	45,6	38,0	20,9
6 OPzS 420 LA	NVZS020420WC0FA	314	303	289	277	252	200	166	142	111	90,9	77,8	54,6	45,5	25,0
7 OPzS 490 LA	NVZS020490WC0FA	358	346	330	316	287	229	192	164	130	106	90,6	63,6	53,0	29,2
6 OPzS 600 LA	NVZS020600WC0FA	398	388	368	352	325	271	232	202	156	129	112	80,2	68,0	37,4
7 OPzS 700 LA	NVZS020700WC0FA	439	428	406	389	359	299	256	223	173	144	123	88,5	75,0	41,3
8 OPzS 800 LA	NVZS020800WC0FA	572	564	528	501	457	378	319	277	211	175	152	108	91,0	50,1
9 OPzS 900 LA	NVZS020900WC0FA	623	608	568	539	492	407	343	298	227	188	164	117	98,0	53,9
10 OPzS 1000 LA	NVZS021000WC0FA	695	678	639	609	559	464	394	343	263	218	189	135	114	62,7
12 OPzS 1200 LA	NVZS021200WC0FA	800	781	741	710	655	547	467	407	315	261	225	162	137	75,4
12 OPzS 1500 LA	NVZS021500WC0FA	785	777	756	731	690	578	520	462	374	316	277	201	170	93,2
14 OPzS 1750 LA	NVZS021750WC0FA	831	823	801	774	731	612	551	490	396	334	293	212	180	98,6
16 OPzS 2000 LA	NVZS022000WC0FA	1135	1125	1080	1040	974	798	709	622	495	418	367	265	225	123
18 OPzS 2250 LA	NVZS022250WC0FA	1185	1175	1140	1095	1025	848	757	666	539	455	399	289	245	134
20 OPzS 2500 LA	NVZS022500WC0FA	1390	1375	1345	1300	1210	993	884	775	616	520	456	330	280	153
22 OPzS 2750 LA	NVZS022750WC0FA	1510	1495	1445	1390	1300	1065	946	830	660	557	489	354	300	164
24 OPzS 3000 LA	NVZS023000WC0FA	1620	1605	1555	1500	1400	1160	1035	911	737	622	546	395	335	184

OPzS cells

1.75 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	7,20
3 OPzS 150 LA	NVZS020150WC0FA	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 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	294	274	249	225	193	134	107	90,8	70,0	56,8	48,1	32,9	27,3	15,0
6 OPzS 300 LA	NVZS020300WC0FA	343	319	290	263	226	158	127	108	82,6	67,0	57,1	39,0	32,6	17,8
5 OPzS 350 LA	NVZS020350WC0FA	333	316	296	281	247	190	153	129	97,3	79,7	68,0	47,1	39,1	21,5
6 OPzS 420 LA	NVZS020420WC0FA	383	364	341	323	288	221	180	152	116	95,0	81,4	56,4	46,9	25,7
7 OPzS 490 LA	NVZS020490WC0FA	438	416	390	369	328	252	207	176	136	111	94,9	65,7	54,6	29,9
6 OPzS 600 LA	NVZS020600WC0FA	480	462	437	416	381	306	258	220	167	136	116	83,0	70,0	38,4
7 OPzS 700 LA	NVZS020700WC0FA	530	510	482	459	420	338	285	242	184	150	128	91,5	77,3	42,4
8 OPzS 800 LA	NVZS020800WC0FA	703	677	630	592	534	430	353	303	226	184	157	112	92,8	51,4
9 OPzS 900 LA	NVZS020900WC0FA	758	730	678	637	575	463	380	326	243	198	170	121	100	55,4
10 OPzS 1000 LA	NVZS021000WC0FA	843	812	761	719	654	526	438	374	281	229	196	140	117	64,4
12 OPzS 1200 LA	NVZS021200WC0FA	968	932	881	838	767	617	521	443	336	273	233	167	141	77,4
12 OPzS 1500 LA	NVZS021500WC0FA	966	952	923	884	824	676	598	524	413	346	301	212	178	97,4
14 OPzS 1750 LA	NVZS021750WC0FA	1025	1010	977	936	873	716	634	554	437	366	319	225	188	103
16 OPzS 2000 LA	NVZS022000WC0FA	1395	1375	1320	1260	1165	933	817	705	547	458	398	281	235	129
18 OPzS 2250 LA	NVZS022250WC0FA	1460	1440	1390	1325	1225	993	871	755	595	498	434	306	256	141
20 OPzS 2500 LA	NVZS022500WC0FA	1735	1710	1645	1565	1450	1165	1015	877	680	569	496	350	293	161
22 OPzS 2750 LA	NVZS022750WC0FA	1855	1830	1765	1680	1550	1245	1090	940	729	610	531	375	313	172
24 OPzS 3000 LA	NVZS023000WC0FA	2000	1970	1900	1810	1675	1360	1190	1030	814	681	593	419	350	192

1.70 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	7,30
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	9,60
4 OPzS 200 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	344	313	278	250	210	141	111	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	132	111	84,8	68,4	58,0	39,3	32,9	18,0
5 OPzS 350 LA	NVZS020350WC0FA	394	368	339	316	274	202	161	134	100	81,4	69,5	47,1	39,9	22,0
6 OPzS 420 LA	NVZS020420WC0FA	453	423	390	364	319	235	189	158	120	97,7	83,3	57,8	47,8	26,4
7 OPzS 490 LA	NVZS020490WC0FA	517	483	446	416	364	269	218	183	140	114	97,0	67,3	55,7	30,7
6 OPzS 600 LA	NVZS020600WC0FA	562	535	507	479	433	337	279	233	173	139	118	84,3	70,7	39,1
7 OPzS 700 LA	NVZS020700WC0FA	619	590	559	528	478	371	308	257	191	154	130	93,0	78,0	43,1
8 OPzS 800 LA	NVZS020800WC0FA	824	785	728	678	606	471	379	322	237	190	160	114	94,6	52,3
9 OPzS 900 LA	NVZS020900WC0FA	888	846	784	730	653	508	409	347	255	204	172	123	102	56,4
10 OPzS 1000 LA	NVZS021000WC0FA	988	941	881	826	743	577	471	397	294	237	199	142	119	65,6
12 OPzS 1200 LA	NVZS021200WC0FA	1135	1080	1020	964	873	678	562	469	349	281	237	170	142	78,8
12 OPzS 1500 LA	NVZS021500WC0FA	1145	1125	1085	1030	950	768	665	573	442	367	318	219	182	100
14 OPzS 1750 LA	NVZS021750WC0FA	1215	1190	1150	1090	1005	814	704	607	468	389	337	232	193	106
16 OPzS 2000 LA	NVZS022000WC0FA	1655	1625	1555	1470	1345	1060	907	771	585	486	421	290	241	132
18 OPzS 2250 LA	NVZS022250WC0FA	1735	1700	1635	1545	1410	1125	968	826	637	529	458	316	262	144
20 OPzS 2500 LA	NVZS022500WC0FA	2060	2020	1930	1830	1670	1320	1130	960	728	605	524	361	300	165
22 OPzS 2750 LA	NVZS022750WC0FA	2205	2165	2070	1960	1785	1415	1210	1025	780	648	561	387	321	176
24 OPzS 3000 LA	NVZS023000WC0FA	2375	2330	2230	2115	1930	1540	1325	1130	871	723	626	432	358	197

OPzS cells

1.65 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	7,30
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	9,60
4 OPzS 200 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	392	348	303	270	222	145	113	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	134	113	86,0	69,3	58,6	39,3	32,9	18,0
5 OPzS 350 LA	NVZS020350WC0FA	454	417	379	349	297	211	167	137	103	82,9	69,9	47,1	39,9	22,0
6 OPzS 420 LA	NVZS020420WC0FA	522	480	437	402	346	246	196	162	123	99,1	83,7	57,8	47,8	26,4
7 OPzS 490 LA	NVZS020490WC0FA	596	548	499	459	395	280	226	187	143	115	97,5	67,3	55,7	30,7
6 OPzS 600 LA	NVZS020600WC0FA	643	605	576	541	482	364	294	243	177	141	119	86,4	71,4	39,4
7 OPzS 700 LA	NVZS020700WC0FA	710	668	635	596	532	401	324	269	196	156	131	95,3	78,8	43,5
8 OPzS 800 LA	NVZS020800WC0FA	945	890	824	760	673	502	399	335	244	194	162	116	95,6	52,8
9 OPzS 900 LA	NVZS020900WC0FA	1015	958	887	818	725	541	430	361	263	209	174	124	103	56,8
10 OPzS 1000 LA	NVZS021000WC0FA	1130	1065	999	929	826	620	496	414	302	241	201	145	120	66,1
12 OPzS 1200 LA	NVZS021200WC0FA	1295	1220	1160	1090	971	733	592	490	358	286	240	174	144	79,5
12 OPzS 1500 LA	NVZS021500WC0FA	1330	1300	1240	1175	1070	853	721	612	462	382	330	223	184	101
14 OPzS 1750 LA	NVZS021750WC0FA	1410	1375	1315	1245	1135	904	763	648	490	405	349	236	194	107
16 OPzS 2000 LA	NVZS022000WC0FA	1920	1875	1775	1675	1510	1180	984	824	612	506	436	295	243	133
18 OPzS 2250 LA	NVZS022250WC0FA	2015	1965	1870	1765	1590	1250	1050	882	666	550	475	321	265	145
20 OPzS 2500 LA	NVZS022500WC0FA	2390	2335	2215	2090	1885	1465	1220	1025	762	630	543	367	302	166
22 OPzS 2750 LA	NVZS022750WC0FA	2555	2495	2370	2235	2015	1570	1310	1100	815	674	582	393	324	178
24 OPzS 3000 LA	NVZS023000WC0FA	2755	2690	2555	2415	2175	1710	1435	1205	911	753	650	439	362	199

1.60 Vpc – Discharge in A at 20 °C															
Exide type designation	Part number	3 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
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	7,30
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	9,60
4 OPzS 200 LA	NVZS020200WC0FA	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 LA	NVZS020250WC0FA	434	377	325	286	232	148	114	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	136	114	86,6	68,8	58,3	39,3	32,9	18,0
5 OPzS 350 LA	NVZS020350WC0FA	515	466	418	377	319	217	171	139	105	83,4	69,2	47,1	39,9	22,0
6 OPzS 420 LA	NVZS020420WC0FA	592	536	481	435	370	253	200	165	125	99,3	82,8	57,8	47,8	26,4
7 OPzS 490 LA	NVZS020490WC0FA	676	612	549	496	423	288	231	190	146	116	96,5	67,3	55,7	30,7
6 OPzS 600 LA	NVZS020600WC0FA	723	673	645	602	528	388	305	252	179	142	119	86,4	71,4	39,4
7 OPzS 700 LA	NVZS020700WC0FA	799	743	712	665	583	428	336	278	197	156	131	95,3	78,8	43,5
8 OPzS 800 LA	NVZS020800WC0FA	1065	992	917	837	737	524	416	342	248	195	162	116	95,6	52,8
9 OPzS 900 LA	NVZS020900WC0FA	1150	1070	988	902	794	564	448	368	267	211	174	124	103	56,8
10 OPzS 1000 LA	NVZS021000WC0FA	1270	1185	1115	1030	905	653	516	426	305	242	201	145	120	66,1
12 OPzS 1200 LA	NVZS021200WC0FA	1455	1355	1300	1215	1065	781	614	508	360	286	240	174	144	79,5
12 OPzS 1500 LA	NVZS021500WC0FA	1515	1470	1395	1320	1190	933	767	642	476	391	337	224	184	101
14 OPzS 1750 LA	NVZS021750WC0FA	1605	1560	1475	1395	1260	988	812	680	504	414	356	238	194	107
16 OPzS 2000 LA	NVZS022000WC0FA	2185	2125	1995	1880	1680	1290	1045	864	630	518	445	297	243	133
18 OPzS 2250 LA	NVZS022250WC0FA	2290	2225	2100	1975	1765	1370	1115	926	686	564	485	323	265	145
20 OPzS 2500 LA	NVZS022500WC0FA	2725	2645	2485	2340	2090	1600	1305	1080	784	645	554	370	302	166
22 OPzS 2750 LA	NVZS022750WC0FA	2920	2835	2660	2510	2240	1715	1395	1155	840	690	594	396	324	178
24 OPzS 3000 LA	NVZS023000WC0FA	3135	3045	2870	2705	2415	1875	1525	1265	938	771	663	442	362	199

# Exide Technologies Industrial Energy – The Industry Leader.



Exide Technologies is the global leader in stored electrical energy solutions with subsidiaries in more than 80 countries. Based on over 100 years of experience in technological innovation, we are partners of OEM and serve the spare parts market for industrial and transportation applications.

Our Global Industrial Energy Business Unit offers an extensive range of storage products and services, including solutions for telecommunications systems, railway applications, mining,

photovoltaic (solar energy), uninterruptible power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. Its Total Battery Management programme, (an integrated approach to manufacturing, distributing and recycling of lead acid batteries), has been developed to ensure a safe and responsible life cycle for all of its products.