

▶ OPzS Batteries



Solutions for the toughest requirements

▶ TRIATHLON® OPzS Batteries Blocks and Cells



Proven energy suppliers with long service life, highest reliability even for critical applications and cyclic operation.

OPzS batteries are sealed lead acid batteries with liquid electrolyte. They consist of positive tubular plates and negative grid plates.

They are optimally suited for applications with high cyclic and capacitive loads, such as power supply systems, safety power supplies according to VDE 0100-710 and VDE 0100-718, telecommunications facilities or as storage for regenerative energies.

TRIATHLON® OPzS batteries are characterized by low maintenance requirements, long life and excellent performance. They therefore offer a high-quality, efficient and cost-effective energy solution for high temperatures or unstable power grids.

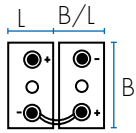
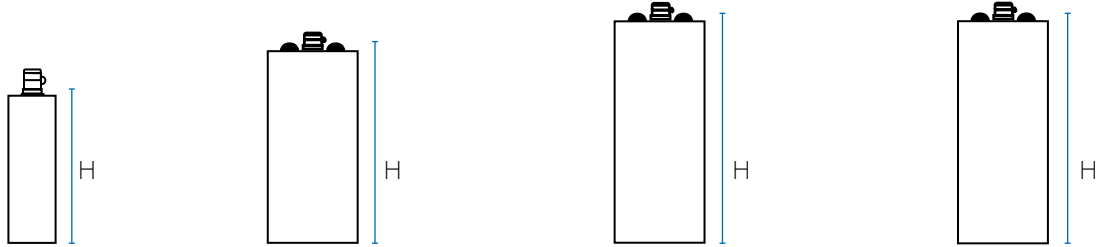
Optimal design, robust construction, high quality raw materials and state-of-the-art production processes make the OPzS series the ideal solution for stand-by applications, with a high degree of safety and reliability.

QUALITY FEATURES

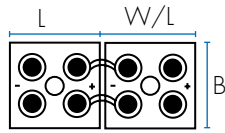
- ▶ Very high operational reliability even under harsh environmental conditions
- ▶ Very good standby and cycle behaviour
- ▶ Optimal design
- ▶ High capacities
- ▶ Low maintenance due to reduced antimony content and large electrolyte reservoir
- ▶ Up to 20 years design life at an ambient temperature of 20 °C (80 % residual capacity C10)
- ▶ Housing material made of high-quality plastic
- ▶ Tubular plates in block design and as single cell
- ▶ Also available dry pre-charged with separate electrolyte
- ▶ Low gassing due to low antimony alloy < 2 % (EN 50272-2)
- ▶ Developed under consideration of IEC 60896-11, DIN 40736, DIN 40737 T3
- ▶ Electrolyte:
Diluted sulphuric acid dN = 1.24 kg/l
- ▶ Manufactured in Europe in our ISO 9001 certified production facilities
- ▶ Completely recyclable



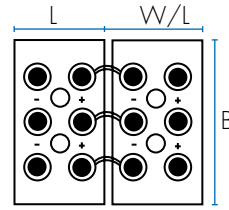
▶ Technical Drawings



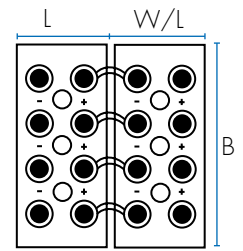
2 OPzS 100 -
6 OPzS 600



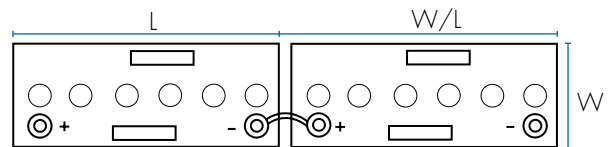
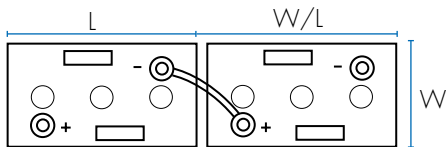
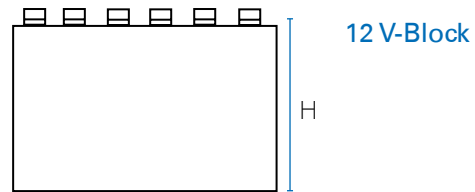
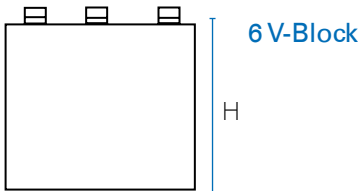
7 OPzS 700 -
12 OPzS 1500



16 OPzS 2000



20 OPzS 2500 -
26 OPzS 3250



Technical Data

Type description	Rated voltage	Rated capacity C ₁₀ according to DIN Ah	Actual capacity C ₁₀ 1.80 V/c 20°C Ah	Length (L) max. mm	Width (W) max. mm	Height* (H) max. mm	Installed length (W/L) mm	Weight dry kg	Weight filled and charged** kg	Internal resistance mOhm	Short circuit current A	Con-nection	Pole pairs
according to DIN Blocks: 40 737-3 Cells: 40 736-1													
OPzS single cells 200-490 Ah													
2 OPzS 100	2	100	131	103	206	370	113	8.2	15.5	1.43	1420	M10	1
3 OPzS 150	2	150	187	103	206	370	113	10.6	17.0	0.95	2120	M10	1
4 OPzS 200	2	200	226	103	206	370	113	12.8	17.5	0.74	2720	M10	1
5 OPzS 250	2	250	283	124	206	370	134	15.3	21.2	0.59	3420	M10	1
6 OPzS 300	2	300	337	145	206	370	155	18.0	24.9	0.51	3940	M10	1
5 OPzS 350	2	350	418	124	206	486	134	20.6	28.6	0.54	3750	M10	1
6 OPzS 420	2	420	500	145	206	486	155	24.2	33.5	0.46	4400	M10	1
7 OPzS 490	2	490	570	166	206	486	175	27.6	38.5	0.41	4950	M10	1
OPzS single cells 600-3000 Ah													
6 OPzS 600	2	600	730	145	206	661	155	33.7	46.5	0.43	4700	M10	1
7 OPzS 700	2	700	905	210	191	661	220	42.3	59.4	0.36	5600	M10	2
8 OPzS 800	2	800	976	210	191	661	220	46.7	63.5	0.31	6500	M10	2
9 OPzS 900	2	900	1116	210	233	661	220	52.3	73.5	0.28	7250	M10	2
10 OPzS 1000	2	1000	1205	210	233	661	220	56.7	77.7	0.25	8100	M10	2
12 OPzS 1200	2	1200	1446	210	275	661	220	66.8	91.9	0.2	9250	M10	2
12 OPzS 1500	2	1500	1747	210	275	812	220	82.4	114.0	0.22	9200	M10	2
16 OPzS 2000	2	2000	2331	214	399	787	224	111.4	156.1	0.16	12950	M10	3
20 OPzS 2500	2	2500	3060	212	487	787	222	139.5	194.0	0.12	16550	M10	4
22 OPzS 2750	2	2750	3276	212	576	787	222	153.7	219.6	0.11	17700	M10	4
24 OPzS 3000	2	3000	3497	212	576	787	222	164.9	229.8	0.11	19250	M10	4
26 OPzS 3250	2	3250	3671	212	576	787	222	175.8	240.1	0.10	20600	M10	4
OPzS block batteries													
12V 1 OPzS 50	12	50	64	272	205	362	282	27.8	41.0	2.52	24.2	M10	1
12V 2 OPzS 100	12	100	109	272	205	362	282	37.0	48.4	2.13	2860	M10	1
12V 3 OPzS 150	12	150	159	380	205	362	390	52.2	68.7	1.86	3260	M10	1
6V 4 OPzS 200	6	200	220	272	205	362	282	34.1	46.4	17.20	700	M10	1
6V 5 OPzS 250	6	250	292	380	205	362	390	42.0	59.8	8.61	1400	M10	1
6V 6 OPzS 300	6	300	321	380	205	362	390	49.3	66.8	6.09	2000	M10	1

* Height including pole without connector

Other intermediate sizes on request. All types optionally available with V0 housing

** Weight specifications ± 5 %



TRIATHLON® OPzS: Discharge data in Amperes

1.90 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	67.4	65.2	55.8	49.1	44.2	32.1	25.7	21.5	18.6	16.5	14.8	13.5	11.5	10	6.81
3 OPzS 150	101	97.1	81.9	71.7	64.1	46.2	36.8	30.8	26.6	23.5	21.1	19.2	16.3	14.3	9.66
4 OPzS 200	129	123	103	89.1	79.2	56.1	44.1	36.7	31.5	27.7	24.8	22.5	19.1	16.6	11.2
5 OPzS 250	155	149	125	109	97.1	69	54.4	45.3	39	34.4	30.8	28	23.7	20.7	13.9
6 OPzS 300	185	179	150	131	117	83	65.4	54.5	46.9	41.3	37	33.6	28.5	24.8	16.7
5 OPzS 350	167	166	155	138	126	93	74.7	62.9	54.5	48.2	43.3	39.4	33.5	29.2	19.6
6 OPzS 420	196	194	182	163	148	110	88.6	74.7	64.8	57.3	51.6	46.9	39.9	34.8	23.4
7 OPzS 490	218	217	204	183	167	124	100	84.3	73.2	64.8	58.3	53	45.1	39.3	26.4
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	232	231	224	209	193	149	123	105	92.4	82.5	74.7	68.4	58.6	51.5	35.2
7 OPzS 700	280	278	270	254	235	184	153	131	115	103	93.8	86	73.9	65.1	44.7
8 OPzS 800	326	322	316	289	266	204	168	143	125	112	101	92.3	79	69.4	47.2
9 OPzS 900	360	358	346	322	297	230	189	162	142	127	115	105	90.3	79.3	54.2
10 OPzS 1000	407	403	394	359	330	253	207	177	155	138	125	114	97.6	85.7	58.4
12 OPzS 1200	461	459	445	415	383	296	244	208	183	163	148	135	116	102	69.4
12 OPzS 1500	439	437	431	420	403	322	271	234	207	186	169	155	133	117	80.2
16 OPzS 2000	631	628	619	600	564	446	372	320	282	253	229	210	180	158	108
20 OPzS 2500	812	808	795	775	731	582	487	421	371	333	302	277	238	210	143
22 OPzS 2750	869	863	853	837	786	625	523	451	398	357	324	297	255	224	153
24 OPzS 3000	949	942	931	909	850	673	562	484	426	382	346	317	272	239	163
26 OPzS 3250	1059	1054	1038	996	924	724	599	514	451	402	364	333	285	249	169

1.87 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	82.3	76.7	64.5	56.3	50.1	35.7	28.1	23.4	20.2	17.8	15.9	14.5	12.3	10.7	7.20
3 OPzS 150	122	113.4	94.5	81.9	72.7	51.3	40.3	33.5	28.8	25.4	22.7	20.6	17.5	15.2	10.24
4 OPzS 200	155	144	119	102.3	90.3	62.8	48.8	40.3	34.5	30.3	27	24.5	20.7	18	12
5 OPzS 250	190	176	146	126	111.3	77.7	60.6	50.1	42.9	37.7	33.7	30.5	25.8	22.4	15
6 OPzS 300	226	210	174	151	133	93	72.6	60	51.4	45.1	40.3	36.5	30.8	26.8	17.9
5 OPzS 350	213	210	184	163	147	107	85	70.9	61.1	53.8	48.2	43.7	37	32.2	21.4
6 OPzS 420	249	246	216	192	174	127	101	84.4	72.8	64.1	57.5	52.1	44.1	38.4	25.6
7 OPzS 490	277	271	243	217	196	144	115	95.7	82.6	72.8	65.2	59.2	50.1	43.5	29
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	291	287	272	246	226	172	140	119	103.6	92	83	75.7	64.6	56.5	38.2
7 OPzS 700	349	346	329	299	275	211	173	147	129	115	103.6	94.6	81	71	48.2
8 OPzS 800	410	408	376	339	310	234	190	161	140	124	112	101.8	86.8	75.9	51.2
9 OPzS 900	449	445	418	379	348	264	215	183	159	141	127	116	99.2	86.8	58.7
10 OPzS 1000	513	509	467	422	385	290	235	199	173	153	138	126	107.2	93.7	63.3
12 OPzS 1200	576	571	540	490	449	342	278	236	205	182	164	150	128	112	75.5
12 OPzS 1500	556	553	539	514	479	378	314	270	237	211	191	175	149	131	88.4
16 OPzS 2000	796	792	768	719	667	521	430	367	321	286	258	235	201	175	118
20 OPzS 2500	1022	1011	991	929	864	678	562	481	421	376	340	310	265	232	157
22 OPzS 2750	1104	1098	1070	1001	929	728	603	516	452	403	364	332	284	248	168
24 OPzS 3000	1204	1198	1165	1084	1006	785	647	553	484	431	389	355	303	265	179
26 OPzS 3250	1334	1320	1286	1182	1093	844	691	587	512	454	409	373	317	277	186

1.85 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	90.3	83.9	70	60.6	53.6	37.6	29.5	24.4	21	18.4	16.5	14.9	12.6	11	7.37
3 OPzS 150	134	124	102	88.1	77.7	54	42.2	34.9	29.9	26.3	23.5	21.3	18	15.7	10.5
4 OPzS 200	171	157	129	110	96.9	66.5	51.4	42.2	36	31.5	28.1	25.4	21.4	18.6	12.4
5 OPzS 250	210	193	159	136	120	82.5	63.9	52.6	45	39.4	35.1	31.8	26.8	23.3	15.5
6 OPzS 300	249	230	190	163	143	98.6	76.4	62.9	53.7	47	42	37.9	32	27.8	18.5
5 OPzS 350	240	235	202	179	161	115	90.8	75.4	64.7	56.9	50.8	46	38.8	33.7	22.3
6 OPzS 420	283	275	238	211	190	137	108	89.8	77.2	67.8	60.6	54.9	46.3	40.2	26.7
7 OPzS 490	312	307	268	238	215	155	123	102	87.7	77.1	68.9	62.4	52.7	45.7	30.3
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	333	330	299	270	247	186	150	127	110	97.2	87.5	79.6	67.7	59.1	39.7
7 OPzS 700	400	397	362	328	300	227	185	156	136	121	109	99.2	84.6	74	50
8 OPzS 800	466	456	413	372	339	253	203	171	148	131	118	107	90.9	79.3	53.2
9 OPzS 900	515	511	461	416	380	285	230	194	168	149	134	122	104	90.7	61
10 OPzS 1000	581	569	514	462	420	312	251	211	183	162	145	132	112	97.9	65.7
12 OPzS 1200	662	657	595	537	491	369	298	251	218	193	173	158	134	117	78.6
12 OPzS 1500	631	625	614	569	528	414	341	291	254	226	204	186	158	138	92.7
16 OPzS 2000	899	891	865	795	735	568	465	395	344	305	274	250	212	185	124
20 OPzS 2500	1164	1158	1113	1026	950	738	606	516	450	400	361	329	280	244	164
22 OPzS 2750	1257	1247	1202	1104	1022	793	651	553	483	429	386	352	300	261	175
24 OPzS 3000	1371	1360	1304	1197	1107	854	699	593	517	459	413	376	320	279	187
26 OPzS 3250	1494	1487	1429	1305	1202	918	746	630	547	484	435	395	335	292	194

1.83 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	98.2	90.9	75.1	64.5	56.8	39.2	30.5	25.2	21.5	18.9	16.9	15.3	12.9	11.2	7.49
3 OPzS 150	146	134	110	93.7	82.1	56.3	43.6	36	30.8	27	24.1	21.8	18.4	16	10.7
4 OPzS 200	186	171	139	118	102.8	69.6	53.4	43.8	37.3	32.5	29	26.1	22	19.1	12.7
5 OPzS 250	229	210	171	146	127	86.6	66.6	54.7	46.6	40.7	36.3	32.8	27.6	23.9	15.9
6 OPzS 300	271	250	204	174	152	103.4	79.5	65.2	55.6	48.6	43.2	39.1	32.9	28.5	18.9
5 OPzS 350	271	257	220	194	173	123	95.9	79.2	67.7	59.4	53	47.9	40.3	34.9	23
6 OPzS 420	318	302	260	229	205	146	114	94.4	80.8	70.9	63.2	57.2	48.1	41.7	27.5
7 OPzS 490	354	339	293	259	232	166	130	108	92.1	80.7	72	65.1	54.8	47.4	31.3
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	369	364	327	294	267	198	159	133	115	101.6	91.2	82.8	70.2	61.2	40.9
7 OPzS 700	442	439	394	355	324	242	195	164	142	126	113	102.9	87.5	76.3	51.3
8 OPzS 800	522	511	450	403	366	269	214	179	155	137	122	111	94.1	81.9	54.7
9 OPzS 900	569	564	502	451	410	303	243	204	176	156	140	127	108	93.7	62.7
10 OPzS 1000	652	637	560	500	453	332	265	222	191	169	151	137	116	101.2	67.5
12 OPzS 1200	732	726	650	584	531	394	315	264	228	201	181	164	139	121	80.9
12 OPzS 1500	713	709	677	623	577	447	366	310	270	239	215	195	166	144	96.2
16 OPzS 2000	1017	1009	949	868	801	613	497	419	363	321	288	262	222	193	128
20 OPzS 2500	1295	1282	1222	1119	1034	795	647	547	475	421	378	344	292	254	170
22 OPzS 2750	1410	1402	1316	1206	1113	854	694	587	509	451	405	369	313	272	181
24 OPzS 3000	1538	1530	1429	1307	1205	920	746	629	546	483	433	394	334	290	193
26 OPzS 3250	1694	1670	1564	1425	1309	988	796	668	578	510	457	414	350	304	201

TRIATHLON® OPzS: Discharge data in Amperes

1.80 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	110	101	82.2	69.7	60.7	41	31.6	25.9	22.1	19.3	17.2	15.6	13.1	11.4	7.61
3 OPzS 150	163	149	120	101	87.6	58.9	45.2	37.1	31.6	27.6	24.6	22.2	18.7	16.3	10.9
4 OPzS 200	208	190	152	128	110	73.2	55.7	45.4	38.5	33.5	29.8	26.9	22.6	19.5	12.9
5 OPzS 250	257	235	189	158	137	91.4	69.7	56.9	48.3	42.1	37.4	33.7	28.3	24.5	16.3
6 OPzS 300	304	278	224	189	163	109	83	67.7	57.5	50.1	44.5	40.1	33.7	29.2	19.4
5 OPzS 350	309	290	246	215	191	132	102	83.7	71.2	62.2	55.3	49.8	41.8	36.1	23.7
6 OPzS 420	362	341	291	254	226	157	122	99.9	85.1	74.3	66.1	59.6	50	43.2	28.3
7 OPzS 490	408	384	329	288	257	179	139	114	97.2	84.8	75.5	68	57	49.3	32.3
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	434	418	366	327	295	214	170	141	121	107	95.4	86.4	73	63.4	42.1
7 OPzS 700	514	502	441	394	357	261	207	173	149	132	118	107	90.5	78.7	52.6
8 OPzS 800	606	578	504	448	403	290	229	190	163	143	128	116	97.6	84.7	56.2
9 OPzS 900	662	643	563	501	452	328	259	216	185	163	146	132	112	96.9	64.4
10 OPzS 1000	757	720	627	555	499	358	282	234	201	177	158	143	121	105	69.4
12 OPzS 1200	855	831	729	650	587	426	337	280	241	212	189	171	145	126	83.3
12 OPzS 1500	831	826	766	702	648	494	398	335	289	255	228	207	175	151	100
16 OPzS 2000	1183	1176	1072	977	897	673	539	451	388	342	306	277	233	202	133
20 OPzS 2500	1518	1507	1378	1258	1156	872	700	587	507	447	400	362	306	265	175
22 OPzS 2750	1640	1630	1486	1354	1244	937	751	629	543	479	428	388	328	284	188
24 OPzS 3000	1789	1778	1613	1468	1346	1009	807	675	582	512	458	415	350	303	200
26 OPzS 3250	1978	1963	1767	1601	1463	1084	862	717	616	541	483	436	367	318	208

1.75 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	128	117	92.1	76.2	65.3	42.8	32.6	26.6	22.6	19.8	17.6	15.9	13.4	11.6	7.73
3 OPzS 150	190	172	134	110	94.1	61.3	46.6	38	32.3	28.2	25.1	22.7	19.1	16.6	11
4 OPzS 200	244	221	171	140	120	76.8	57.8	46.8	39.6	34.5	30.6	27.5	23.1	20	13.2
5 OPzS 250	301	273	213	175	149	96.2	72.5	58.8	49.8	43.3	38.4	34.6	29.1	25.1	16.6
6 OPzS 300	356	323	253	208	177	114	86.3	69.9	59.2	51.5	45.7	41.2	34.5	29.9	19.8
5 OPzS 350	368	343	287	246	215	144	109	88.2	74.6	64.8	57.4	51.7	43.2	37.2	24.3
6 OPzS 420	433	405	339	291	255	171	130	106	89.2	77.5	68.7	61.8	51.7	44.5	29.1
7 OPzS 490	487	456	384	332	291	196	149	121	102	88.8	78.7	70.7	59.1	50.9	33.2
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	524	496	429	377	336	235	182	150	128	112	99.4	89.8	75.5	65.4	43.2
7 OPzS 700	626	594	514	453	404	284	222	183	156	137	122	110.6	93.3	80.9	53.8
8 OPzS 800	726	685	588	514	456	316	245	201	171	149	133	120	101	87.3	57.6
9 OPzS 900	804	762	657	576	513	358	278	229	195	170	152	137	115	99.9	66.1
10 OPzS 1000	904	853	730	637	565	391	302	248	211	184	164	148	124	108	71.2
12 OPzS 1200	1040	988	853	750	668	467	362	298	254	222	197	178	150	130	85.5
12 OPzS 1500	1027	1013	912	829	759	560	442	366	313	273	243	219	184	158	104
16 OPzS 2000	1460	1423	1273	1149	1045	759	594	490	417	364	324	292	244	211	137
20 OPzS 2500	1872	1822	1634	1477	1344	980	770	636	543	475	422	381	320	276	181
22 OPzS 2750	2023	1971	1761	1590	1447	1052	826	682	582	508	452	408	342	295	193
24 OPzS 3000	2207	2144	1912	1723	1565	1133	887	731	623	544	484	436	365	315	206
26 OPzS 3250	2438	2356	2094	1879	1700	1217	947	777	660	575	510	459	384	331	215

1.70 V/c - Discharge data in Amperes at 20 °C

Type designation	10 Min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	145	130	99.3	80.3	67.8	43.6	33.1	27	22.9	20	17.8	16.1	13.5	11.7	7.81
3 OPzS 150	214	191	144	116	97.5	62.5	47.3	38.6	32.8	28.6	25.4	23	19.3	16.8	11.2
4 OPzS 200	277	247	186	149	125	78.5	58.9	47.6	40.2	35	31	27.9	23.4	20.2	13.4
5 OPzS 250	343	307	231	186	156	98.5	73.9	59.8	50.6	44	39	35.1	29.4	25.5	16.8
6 OPzS 300	405	363	275	221	185	117	87.9	71.1	60.1	52.2	46.3	41.7	35	30.2	20
5 OPzS 350	425	394	321	270	232	150	112	90.5	76.2	66.1	58.5	52.6	43.9	37.8	24.7
6 OPzS 420	501	465	381	321	277	179	134	108	91.3	79.2	70.1	63	52.6	45.3	29.5
7 OPzS 490	564	525	434	367	317	206	154	124	105	90.7	80.3	72.1	60.2	51.8	33.7
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	607	572	485	419	367	248	189	154	131	114	101	91.5	76.8	66.5	43.8
7 OPzS 700	726	683	580	501	440	299	229	188	160	140	125	113	94.8	82.2	54.5
8 OPzS 800	839	788	663	569	497	333	253	206	175	153	136	122	103	88.7	58.4
9 OPzS 900	932	877	742	639	560	377	288	235	200	174	155	140	117	102	67
10 OPzS 1000	1045	980	822	704	615	411	313	255	216	188	167	151	127	110	72.2
12 OPzS 1200	1208	1138	966	834	732	493	376	307	260	227	201	182	152	132	86.8
12 OPzS 1500	1223	1179	1054	949	859	612	472	385	326	283	251	225	188	162	105
16 OPzS 2000	1729	1655	1466	1309	1177	824	631	513	433	376	333	299	250	215	140
20 OPzS 2500	2205	2120	1879	1679	1510	1061	815	664	562	489	434	391	327	282	184
22 OPzS 2750	2392	2290	2025	1807	1624	1139	874	712	603	524	465	418	350	301	197
24 OPzS 3000	2605	2492	2199	1959	1757	1226	938	763	645	561	497	447	373	322	210
26 OPzS 3250	2861	2738	2408	2135	1908	1317	1002	811	684	593	525	471	393	338	219

1.65 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	160	141	104	82.3	69	44.1	33.4	27.2	23.1	20.2	18	16.2	13.6	11.8	7.87
3 OPzS 150	236	207	150	118	99.1	63.1	47.8	38.9	33	28.8	25.7	23.2	19.5	16.9	11.2
4 OPzS 200	306	269	194	153	127	79.5	59.5	48.1	40.6	35.3	31.3	28.2	23.6	20.4	13.5
5 OPzS 250	380	335	243	191	159	100	74.8	60.4	51.1	44.4	39.4	35.5	29.7	25.7	17
6 OPzS 300	449	397	289	227	189	119	88.8	71.8	60.7	52.7	46.8	42.1	35.3	30.5	20.2
5 OPzS 350	480	441	350	287	243	153	114	91.8	77.2	67	59.2	53.2	44.4	38.2	24.9
6 OPzS 420	566	521	416	343	291	184	137	110	92.5	80.2	70.9	63.7	53.2	45.8	29.8
7 OPzS 490	639	590	475	394	335	211	157	126	106	91.9	81.3	73	60.9	52.4	34.1
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	688	643	534	452	391	255	193	157	133	116	103	92.6	77.7	67.2	44.2
7 OPzS 700	821	767	636	538	466	307	233	191	162	142	126	114	95.8	83	55
8 OPzS 800	950	885	727	612	527	342	258	210	178	155	137	124	104	89.6	59
9 OPzS 900	1055	986	814	688	594	388	293	239	202	176	157	141	119	103	67.7
10 OPzS 1000	1183	1101	901	757	651	422	318	259	219	191	169	153	128	111	72.9
12 OPzS 1200	1371	1282	1064	901	779	508	384	312	264	230	204	184	154	133	87.7
12 OPzS 1500	1390	1344	1190	1058	946	648	490	395	333	288	255	229	191	164	107
16 OPzS 2000	1972	1882	1650	1453	1289	868	652	525	442	383	339	304	253	218	141
20 OPzS 2500	2522	2410	2111	1860	1650	1116	841	680	573	498	441	396	331	285	186
22 OPzS 2750	2727	2601	2276	2002	1774	1196	901	728	614	533	472	424	354	305	199
24 OPzS 3000	2971	2831	2471	2169	1918	1288	968	781	658	571	505	454	379	326	212
26 OPzS 3250	3268	3115	2706	2364	2084	1383	1033	830	698	604	533	478	398	342	222

▶ TRIATHLON® OPzS: Discharge data in Amperes

1.60 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS singel cells 100 - 490 Ah															
2 OPzS 100	160.5	137.7	96.6	76.3	64.0	41.0	31.2	25.6	21.9	19.2	17.1	15.5	13.1	11.4	7.7
3 OPzS 150	238.7	204.1	142.5	112.1	93.8	59.8	45.3	37.0	31.6	27.6	24.7	22.3	18.9	16.4	11.0
4 OPzS 200	307.2	263.2	182.5	142.4	118.5	74.3	55.9	45.4	38.5	33.6	29.9	27.0	22.7	19.7	13.1
5 OPzS 250	386.0	330.3	228.8	178.6	148.6	93.3	70.2	57.0	48.4	42.2	37.6	33.9	28.6	24.8	16.4
6 OPzS 300	457.2	393.3	274.1	214.1	178.2	112.0	84.2	68.4	58.1	50.7	45.1	40.7	34.3	29.7	19.7
5 OPzS 350	482.0	435.5	330.8	264.9	222.1	140.3	105.5	85.7	72.6	63.4	56.3	50.9	42.7	37.0	24.5
6 OPzS 420	569.1	516.6	394.5	316.9	265.9	168.0	126.4	102.6	87.0	75.9	67.5	60.9	51.2	44.3	29.3
7 OPzS 490	652.9	592.8	454.8	365.8	306.8	193.5	145.3	117.9	99.8	87.0	77.3	69.8	58.6	50.7	33.4
OPzS singel cells 600 - 3250 Ah															
6 OPzS 600	706.2	656.6	532.3	442.9	378.1	242.3	182.4	148.1	125.6	109.6	97.5	88.0	74.0	64.2	42.5
7 OPzS 700	837.0	778.7	635.0	530.4	454.4	293.8	222.4	181.2	154.2	134.8	120.1	108.6	91.6	79.5	53.0
8 OPzS 800	960.9	889.8	716.8	593.2	504.8	322.2	242.3	196.6	166.7	145.4	129.3	116.7	98.2	85.1	56.4
9 OPzS 900	1079.4	1001.1	809.9	672.3	573.2	367.5	277.0	225.1	191.0	166.7	148.4	134.1	112.8	97.8	65.0
10 OPzS 1000	1201.6	1112.5	895.6	741.0	630.3	402.2	302.4	245.3	207.9	181.3	161.3	145.6	122.4	106.0	70.2
12 OPzS 1200	1389.2	1290.6	1051.5	877.6	750.5	481.5	362.4	294.1	249.3	217.5	193.4	174.6	146.8	127.2	84.3
12 OPzS 1500	1512.5	1430.8	1214.5	1044.4	910.6	598.6	451.0	365.6	309.2	268.9	238.5	214.8	179.7	155.1	101.5
16 OPzS 2000	2104.1	1981.1	1665.0	1418.4	1230.0	801.2	602.7	488.3	412.8	358.9	318.4	286.6	239.9	206.9	135.4
20 OPzS 2500	2717.3	2555.4	2143.8	1828.9	1588.4	1042.8	788.8	641.6	544.1	474.3	421.6	380.2	319.1	275.9	181.6
22 OPzS 2750	2892.1	2730.3	2312.8	1981.1	1726.4	1138.5	861.9	701.2	594.8	518.6	460.9	415.7	349.0	301.7	198.6
24 OPzS 3000	3145.5	2966.2	2504.3	2140.2	1861.1	1219.3	919.7	746.4	631.9	550.0	488.3	439.9	368.5	318.2	208.7
26 OPzS 3250	3539.9	3316.2	2749.9	2321.3	2001.7	1292.4	969.7	784.5	662.5	575.7	510.3	459.2	384.0	331.1	216.3

TRIATHLON® OPzS: Discharge data in Watts

1.90 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	127	124	105	92.8	83.6	61.4	49.3	41.5	36.1	32	28.8	26.3	22.4	19.7	13.4
3 OPzS 150	191	183	154	136	122	88.3	70.6	59.4	51.5	45.6	41	37.4	31.9	27.9	19
4 OPzS 200	244	231	194	168	150	107	84.8	70.7	61	53.8	48.3	43.9	37.3	32.5	22
5 OPzS 250	294	282	236	206	184	132	105	87.3	75.4	66.6	59.8	54.3	46.2	40.4	27.3
6 OPzS 300	352	337	283	247	221	159	126	105	90.7	80.1	71.9	65.3	55.6	48.5	32.8
5 OPzS 350	322	318	292	262	237	177	143	121	105	93	83.7	76.3	65	56.8	38.3
6 OPzS 420	375	372	344	308	280	209	169	143	125	111	99.6	90.7	77.3	67.6	45.7
7 OPzS 490	415	409	385	346	315	236	191	162	141	125	112	103	87.4	76.4	51.6
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	439	436	429	394	364	283	234	201	177	159	144	132	114	100	68.7
7 OPzS 700	528	525	519	480	444	349	291	251	221	199	181	166	143	126	87.3
8 OPzS 800	623	619	596	545	502	388	320	274	240	215	195	178	153	135	92.4
9 OPzS 900	681	676	662	608	561	436	361	310	273	244	222	203	175	154	106
10 OPzS 1000	778	773	744	677	623	480	395	338	297	266	241	220	189	167	114
12 OPzS 1200	869	865	851	783	723	561	464	399	351	314	285	261	224	198	136
12 OPzS 1500	832	826	816	807	761	611	515	447	396	356	324	298	257	226	156
16 OPzS 2000	1201	1193	1169	1140	1065	846	708	612	540	485	440	404	348	306	210
20 OPzS 2500	1537	1527	1509	1472	1380	1102	926	803	711	639	581	534	461	406	280
22 OPzS 2750	1666	1659	1625	1591	1484	1184	994	861	762	685	623	572	493	434	299
24 OPzS 3000	1818	1810	1772	1724	1606	1276	1068	923	816	732	665	611	526	463	318
26 OPzS 3250	2016	1998	1961	1881	1746	1372	1141	981	864	773	701	642	551	484	331

1.87 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	153	142	120	104.9	93.8	67.6	53.7	45	38.9	34.4	30.9	28.1	23.9	20.9	14.1
3 OPzS 150	227	210	176	153	136	97.2	76.9	64.3	55.5	49	44	40	34	29.7	20.1
4 OPzS 200	289	267	221	191	169	119	93.2	77.3	66.4	58.4	52.3	47.4	40.1	35	23.5
5 OPzS 250	353	327	271	235	208	147	115	95.9	82.5	72.6	65	59	50	43.6	29.3
6 OPzS 300	420	389	324	281	249	176	138	115	98.8	87	77.9	70.7	59.9	52.2	35.1
5 OPzS 350	396	390	341	304	274	201	161	135	117	103.1	92.6	84.1	71.4	62.2	41.7
6 OPzS 420	467	456	402	358	324	239	191	161	139	123	110.3	100.2	85.1	74.2	49.7
7 OPzS 490	513	509	452	403	366	270	217	182	157	139	125	114	96.5	84.1	56.3
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	548	544	504	458	421	323	264	225	197	176	159	145	124	109	74.3
7 OPzS 700	659	655	610	556	512	396	326	279	245	219	198	182	156	137	93.9
8 OPzS 800	767	756	698	631	578	440	359	305	267	237	214	196	167	147	99.7
9 OPzS 900	849	843	777	705	647	496	406	346	303	270	244	223	191	168	114
10 OPzS 1000	957	943	867	784	717	545	444	377	329	293	265	242	207	181	123
12 OPzS 1200	1090	1083	1002	910	836	640	524	447	391	348	315	287	246	216	147
12 OPzS 1500	1041	1037	1024	956	891	707	591	509	449	402	364	333	286	251	171
16 OPzS 2000	1472	1466	1451	1338	1242	975	809	694	609	544	492	450	385	338	229
20 OPzS 2500	1917	1908	1866	1728	1607	1268	1056	909	799	715	648	594	509	447	305
22 OPzS 2750	2065	2043	2006	1860	1729	1363	1133	974	857	766	694	636	545	478	326
24 OPzS 3000	2256	2230	2186	2016	1872	1469	1218	1045	918	820	742	679	582	510	347
26 OPzS 3250	2499	2486	2398	2199	2034	1580	1301	1111	972	866	782	714	610	533	361



TRIATHLON® OPzS: Discharge data in Watts

1.85 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	166	154	129	112	99.7	70.9	56	46.7	40.2	35.5	31.8	28.9	24.5	21.4	14.4
3 OPzS 150	246	227	189	163	144.6	102	80.2	66.8	57.5	50.6	45.4	41.2	35	30.5	20.6
4 OPzS 200	314	289	238	205	180	125	97.7	80.7	69.2	60.7	54.3	49.1	41.5	36.1	24.2
5 OPzS 250	385	355	293	252	223	155	121	100	86.1	75.7	67.7	61.3	51.9	45.2	30.3
6 OPzS 300	457	422	349	301	266	186	145	120	103	90.5	80.9	73.3	62	54	36.2
5 OPzS 350	444	431	372	330	297	216	171	143	123	109	97.2	88.2	74.7	65	43.3
6 OPzS 420	520	507	439	389	351	256	204	170	147	129	116	105	89.1	77.5	51.7
7 OPzS 490	578	568	494	439	397	290	231	193	167	147	132	120	101	88	58.7
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	617	609	550	497	456	346	281	239	208	185	167	152	130	114	77.1
7 OPzS 700	740	727	664	603	553	423	346	295	258	230	208	190	162	143	97.1
8 OPzS 800	854	850	760	685	625	471	382	323	281	249	225	205	175	153	103
9 OPzS 900	954	935	847	765	700	531	432	366	319	284	256	234	200	175	118
10 OPzS 1000	1066	1062	944	850	775	582	472	399	347	308	277	253	216	189	128
12 OPzS 1200	1227	1204	1094	989	906	686	558	473	412	366	330	301	257	225	152
12 OPzS 1500	1175	1170	1133	1047	973	767	636	546	479	427	387	353	302	265	179
16 OPzS 2000	1679	1671	1591	1462	1355	1054	869	741	648	577	521	476	406	355	240
20 OPzS 2500	2158	2147	2050	1887	1751	1370	1132	969	850	758	685	626	535	469	317
22 OPzS 2750	2292	2286	2210	2031	1884	1471	1215	1039	911	812	734	670	573	502	340
24 OPzS 3000	2505	2496	2399	2202	2039	1586	1306	1115	975	869	785	716	612	535	361
26 OPzS 3250	2812	2798	2626	2402	2217	1706	1396	1186	1033	918	827	754	642	560	376

1.83 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	178	165	137	118	104.8	73.6	57.8	48	41.3	36.3	32.5	29.5	25	21.8	14.6
3 OPzS 150	264	244	201	172	151.9	105.8	82.8	68.7	59	51.9	46.4	42.1	35.6	31	20.9
4 OPzS 200	338	311	254	217	190	131	101.3	83.5	71.3	62.5	55.8	50.5	42.6	37	24.7
5 OPzS 250	415	382	313	268	235	162	126	104	89	78.1	69.7	63.1	53.3	46.3	31
6 OPzS 300	492	454	373	320	281	194	151	124	106	93.2	83.2	75.3	63.6	55.2	36.9
5 OPzS 350	491	467	401	354	318	228	180	149	128	113	101	91.5	77.3	67.1	44.6
6 OPzS 420	581	549	473	418	376	271	214	178	153	135	121	109	92.3	80.1	53.2
7 OPzS 490	641	617	533	473	426	308	243	203	174	153	137	124	105	91.2	60.5
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	684	671	594	535	488	366	296	250	217	193	173	158	135	118	79.2
7 OPzS 700	822	806	716	647	592	447	363	308	268	239	215	196	168	147	99.4
8 OPzS 800	947	931	819	735	669	498	401	337	293	259	233	212	180	158	106
9 OPzS 900	1057	1034	913	822	750	562	454	383	333	295	266	242	206	180	122
10 OPzS 1000	1182	1159	1018	913	829	616	495	417	361	320	288	262	223	195	131
12 OPzS 1200	1361	1336	1181	1064	971	728	588	496	431	382	344	313	266	233	157
12 OPzS 1500	1294	1284	1231	1134	1053	822	678	578	505	450	406	370	316	276	185
16 OPzS 2000	1841	1829	1726	1581	1462	1128	923	783	683	606	546	497	423	369	248
20 OPzS 2500	2393	2381	2221	2039	1887	1463	1201	1022	893	794	716	653	557	487	327
22 OPzS 2750	2582	2544	2394	2196	2031	1571	1289	1096	957	851	767	700	596	521	350
24 OPzS 3000	2819	2775	2599	2380	2198	1694	1385	1176	1025	911	820	748	636	556	373
26 OPzS 3250	3118	3101	2846	2596	2390	1822	1480	1251	1087	963	865	787	668	582	389

1.80 V/Zc - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	196	181	148	127	111	76.7	59.7	49.3	42.3	37.1	33.2	30.1	25.4	22.1	14.9
3 OPzS 150	290	266	217	184	161	110	85.6	70.6	60.4	53	47.4	42.9	36.3	31.6	21.2
4 OPzS 200	372	340	275	233	203	137	105	86.3	73.5	64.3	57.3	51.7	43.6	37.8	25.2
5 OPzS 250	458	420	340	288	251	171	131	108	92	80.5	71.7	64.8	54.6	47.4	31.6
6 OPzS 300	542	498	405	343	300	204	157	129	110	95.9	85.5	77.3	65.1	56.5	37.7
5 OPzS 350	552	518	442	387	346	244	190	157	134	118	105	95.1	80	69.3	45.8
6 OPzS 420	649	610	522	459	410	290	227	188	161	141	126	114	95.6	82.8	54.7
7 OPzS 490	728	686	589	519	465	330	259	214	183	161	143	129	109	94.4	62.3
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	770	746	656	587	533	393	314	264	228	201	181	164	139	121	81.3
7 OPzS 700	925	896	789	708	644	478	384	324	281	249	223	203	173	151	102
8 OPzS 800	1087	1033	903	805	728	532	424	355	307	271	243	220	187	163	109
9 OPzS 900	1189	1148	1007	901	817	601	481	403	349	308	277	251	213	186	125
10 OPzS 1000	1353	1286	1122	999	902	658	525	439	379	334	299	272	230	201	134
12 OPzS 1200	1532	1485	1305	1168	1060	780	624	523	452	399	358	326	276	240	161
12 OPzS 1500	1496	1489	1371	1258	1164	897	731	619	538	477	429	390	331	288	192
16 OPzS 2000	2131	2103	1918	1752	1613	1226	992	836	725	641	576	523	443	385	256
20 OPzS 2500	2705	2679	2466	2255	2079	1588	1289	1089	946	838	753	685	582	506	338
22 OPzS 2750	2954	2933	2659	2429	2237	1706	1383	1168	1014	898	807	734	623	542	361
24 OPzS 3000	3222	3196	2888	2633	2422	1838	1487	1253	1087	961	863	784	665	578	385
26 OPzS 3250	3539	3483	3162	2873	2633	1977	1589	1333	1152	1017	911	826	698	606	402

1.75 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	222	203	163	137	119	79.7	61.4	50.5	43.2	37.9	33.8	30.6	25.9	22.5	15.1
3 OPzS 150	329	299	238	198	171	114	88	72.3	61.8	54.1	48.3	43.7	36.9	32.1	21.5
4 OPzS 200	423	385	304	253	217	143	109	88.9	75.5	65.9	58.6	52.9	44.5	38.6	25.7
5 OPzS 250	523	476	377	314	271	179	136	111	94.6	82.6	73.5	66.4	55.9	48.4	32.3
6 OPzS 300	619	564	448	374	322	213	162	133	113	98.3	87.5	79	66.5	57.7	38.4
5 OPzS 350	639	597	502	434	383	263	202	165	140	122	109	98.2	82.5	71.3	46.9
6 OPzS 420	751	703	594	515	455	313	241	197	168	146	130	117	98.6	85.2	56.1
7 OPzS 490	845	793	673	585	518	358	276	226	192	167	149	134	113	97.3	63.9
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	909	861	748	662	594	426	335	279	239	210	188	170	144	125	83.2
7 OPzS 700	1089	1032	897	795	715	516	408	340	293	258	231	210	178	155	104
8 OPzS 800	1259	1190	1027	905	809	575	451	374	321	281	251	228	192	167	111
9 OPzS 900	1398	1323	1147	1014	909	650	512	425	365	321	287	260	220	191	127
10 OPzS 1000	1569	1481	1275	1122	1002	711	558	462	396	347	310	281	237	206	137
12 OPzS 1200	1810	1715	1489	1318	1183	847	667	553	475	417	373	337	285	248	165
12 OPzS 1500	1797	1757	1588	1449	1331	1000	802	671	578	508	454	411	347	300	198
16 OPzS 2000	2553	2472	2216	2009	1836	1360	1082	901	774	680	607	549	462	400	264
20 OPzS 2500	3234	3170	2845	2582	2362	1756	1401	1170	1007	886	792	717	605	525	347
22 OPzS 2750	3539	3422	3066	2780	2541	1886	1503	1255	1080	949	849	768	648	562	372
24 OPzS 3000	3860	3724	3330	3014	2751	2032	1616	1346	1157	1016	908	821	692	600	396
26 OPzS 3250	4230	4094	3648	3289	2991	2187	1727	1433	1227	1076	959	866	728	629	414

TRIATHLON® OPzS: Discharge data in Watts

1.70 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	245	222	174	143	123	81.1	62.3	51.1	43.7	38.3	34.2	30.9	26.1	22.7	15.2
3 OPzS 150	362	326	252	207	177	116	89.2	73.2	62.5	54.7	48.8	44.2	37.3	32.4	21.7
4 OPzS 200	468	421	325	265	225	146	111	90.2	76.5	66.7	59.3	53.5	45	39	25.9
5 OPzS 250	580	523	404	331	281	183	139	113	96	83.7	74.5	67.2	56.5	49	32.6
6 OPzS 300	685	619	480	393	335	217	165	135	114	99.6	88.6	80	67.3	58.3	38.8
5 OPzS 350	717	666	551	470	409	273	208	169	143	125	111	99.9	83.7	72.3	47.5
6 OPzS 420	844	786	653	558	487	326	248	202	171	149	133	119	100.1	86.5	56.8
7 OPzS 490	951	888	742	637	557	374	284	231	196	171	152	137	114	98.8	64.8
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	1022	964	826	722	641	447	347	286	245	214	191	173	146	127	84.3
7 OPzS 700	1222	1153	988	864	769	539	421	349	299	263	235	213	180	157	105
8 OPzS 800	1414	1330	1131	983	870	601	466	384	328	287	256	232	195	169	113
9 OPzS 900	1570	1480	1264	1103	978	681	529	436	373	327	292	264	223	194	129
10 OPzS 1000	1761	1655	1404	1218	1077	743	575	473	404	354	316	286	241	209	139
12 OPzS 1200	2036	1921	1646	1438	1277	889	690	569	486	426	380	343	290	251	167
12 OPzS 1500	2066	1988	1785	1616	1474	1079	849	702	600	525	467	422	354	307	202
16 OPzS 2000	2909	2790	2484	2234	2024	1460	1141	939	801	700	623	562	472	408	268
20 OPzS 2500	3710	3575	3184	2864	2597	1881	1474	1217	1040	911	812	734	617	534	353
22 OPzS 2750	4027	3858	3432	3085	2795	2019	1581	1305	1115	976	870	786	661	572	377
24 OPzS 3000	4385	4199	3728	3344	3025	2175	1699	1400	1194	1045	931	840	706	611	402
26 OPzS 3250	4828	4618	4083	3650	3289	2341	1817	1490	1268	1106	983	886	743	641	420

1.65 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	264	237	180	147	125	81.9	62.8	51.5	44	38.6	34.4	31.2	26.3	22.9	15.3
3 OPzS 150	390	347	261	211	180	118	90	73.7	62.9	55.1	49.2	44.5	37.6	32.6	21.9
4 OPzS 200	506	450	338	272	230	148	112	90.9	77.2	67.3	59.8	54	45.4	39.3	26.1
5 OPzS 250	627	559	421	339	287	185	140	114.1	96.8	84.4	75.1	67.8	57	49.4	32.9
6 OPzS 300	741	662	501	404	341	220	167	136	115	100	89.3	80.6	67.8	58.7	39.1
5 OPzS 350	786	726	590	495	427	279	211	171	145	126	112	101	84.5	73	47.9
6 OPzS 420	926	858	700	589	509	333	252	205	173	151	134	121	101	87.3	57.3
7 OPzS 490	1045	971	798	674	583	382	289	235	198	173	153	138	116	99.8	65.4
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	1124	1055	890	767	674	458	353	290	248	217	193	175	147	128	85
7 OPzS 700	1342	1259	1061	916	806	552	428	353	303	266	238	215	182	158	106
8 OPzS 800	1552	1452	1215	1042	913	616	474	389	332	290	259	234	197	171	114
9 OPzS 900	1725	1617	1360	1170	1027	698	538	442	378	331	295	267	225	196	130
10 OPzS 1000	1933	1807	1508	1291	1129	761	585	480	409	358	319	289	243	211	140
12 OPzS 1200	2239	2103	1775	1530	1344	913	703	577	492	431	384	347	292	254	168
12 OPzS 1500	2289	2197	1960	1760	1591	1134	877	719	611	534	475	428	359	310	204
16 OPzS 2000	3218	3080	2722	2425	2177	1527	1175	960	815	711	632	570	478	412	271
20 OPzS 2500	4122	3941	3484	3104	2788	1964	1516	1243	1058	925	823	743	624	540	356
22 OPzS 2750	4449	4257	3755	3341	2999	2107	1626	1332	1134	991	882	796	669	578	381
24 OPzS 3000	4846	4632	4078	3622	3245	2270	1747	1429	1215	1061	943	851	714	617	406
26 OPzS 3250	5341	5095	4468	3954	3530	2443	1868	1521	1290	1123	997	898	752	648	424

1.60 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS single cells 100 - 490 Ah															
2 OPzS 100	279	247	184	148	126	82.4	63.2	51.8	44.2	38.8	34.6	31.3	26.4	23	15.4
3 OPzS 150	411	362	266	214	181	118	90.5	74.1	63.3	55.4	49.4	44.7	37.7	32.8	22
4 OPzS 200	536	472	345	275	232	149	112	91.5	77.6	67.7	60.1	54.3	45.6	39.5	26.3
5 OPzS 250	666	587	431	344	290	186	141	115	97.4	84.9	75.5	68.2	57.3	49.7	33
6 OPzS 300	787	695	512	409	345	221	168	137	116	101	89.8	81.1	68.1	59.1	39.3
5 OPzS 350	847	777	618	511	436	282	213	172	146	127	113	102	85.1	73.5	48.2
6 OPzS 420	999	919	735	609	521	337	254	206	175	152	135	121	102	87.9	57.7
7 OPzS 490	1129	1043	840	699	599	387	292	237	200	174	154	139	116	100	65.8
OPzS single cells 600 - 3250 Ah															
6 OPzS 600	1214	1134	941	800	696	465	357	293	250	219	195	176	148	129	85.6
7 OPzS 700	1446	1350	1118	952	830	559	432	356	305	268	239	217	183	159	107
8 OPzS 800	1674	1558	1281	1084	939	624	479	392	334	292	261	236	198	172	114
9 OPzS 900	1861	1736	1435	1219	1058	707	543	446	381	333	297	269	227	197	131
10 OPzS 1000	2084	1937	1588	1341	1161	771	591	484	413	361	322	291	245	213	141
12 OPzS 1200	2419	2260	1876	1596	1388	926	710	582	496	434	387	350	294	255	169
12 OPzS 1500	2491	2387	2115	1882	1686	1168	894	729	619	539	479	432	362	313	205
16 OPzS 2000	3499	3343	2930	2583	2297	1568	1194	972	824	718	638	575	481	416	272
20 OPzS 2500	4477	4274	3742	3300	2937	2014	1541	1258	1069	934	831	750	629	544	358
22 OPzS 2750	4836	4616	4035	3552	3158	2161	1652	1348	1146	1000	890	803	674	583	383
24 OPzS 3000	5267	5024	4382	3850	3417	2327	1775	1447	1228	1071	952	858	720	622	409
26 OPzS 3250	5804	5527	4803	4203	3717	2504	1898	1541	1304	1134	1006	906	758	653	427

▶ TRIATHLON® OPzS: Discharge data in Amperes

1.90 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	34.5	33.3	28.1	24.5	21.9	15.8	12.5	10.4	9.2	7.96	7.15	6.50	5.52	4.81	3.23
12V 2 OPzS 100	67.3	63.3	52.4	45.1	39.9	27.8	21.6	17.9	15.3	13.4	12	10.9	9.15	7.94	5.26
12V 3 OPzS 150	94.2	90.1	74.9	64.7	57.3	40.1	31.3	25.8	22.1	19.4	17.3	15.7	13.2	11.5	7.59
6V 4 OPzS 200	117	114	96.2	84	74.9	53.4	42.1	35.1	30.2	26.6	23.8	21.6	18.3	15.9	10.6
6V 5 OPzS 250	133	131	115	102	91.8	67.1	53.7	45.1	39.1	34.6	31.2	28.4	24.1	21.1	14.2
6V 6 OPzS 300	149	147	130	114	103	74.1	58.9	49.3	42.5	37.5	33.7	30.6	25.9	22.6	15.1

1.87 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	42	39	32.6	28.2	25.1	17.6	13.8	11.4	9.82	8.64	7.73	7.1	5.93	5.16	3.44
12V 2 OPzS 100	80.8	74.4	60.9	52.1	45.7	31.2	24	19.7	16.8	14.7	13.1	11.8	9.94	8.60	5.67
12V 3 OPzS 150	114.9	106.1	87.5	75	66	45.3	34.9	28.6	24.4	21.3	19	17.2	14.4	12.5	8.21
6V 4 OPzS 200	144	135	112.7	97.6	86.5	60.4	47.1	38.9	33.3	29.3	26.1	23.7	20	17.3	11.5
6V 5 OPzS 250	166	160	136	119	106.7	76.5	60.5	50.4	43.4	38.3	34.3	31.2	26.4	23	15.3
6V 6 OPzS 300	188	182	154	134	120	85.1	66.8	55.4	47.6	41.8	37.4	33.9	28.6	24.8	16.5

1.85 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	46.2	42.7	35.4	30.5	26.9	18.6	14.5	11.9	10.2	8.97	8.2	7.26	6.13	5.32	3.54
12V 2 OPzS 100	89	81.6	66.4	56.4	49.2	33.1	25.3	20.7	17.6	15.3	13.7	12.3	10.3	8.93	5.87
12V 3 OPzS 150	127	117	95.5	81.5	71.2	48.2	36.9	30.1	25.6	22.3	19.9	17.9	15	13	8.51
6V 4 OPzS 200	161	149	123	106	93.5	64.4	49.7	40.9	35	30.6	27.3	24.7	20.8	18	11.9
6V 5 OPzS 250	187	177	149	130	116	81.9	64.1	53.2	45.7	40.2	35.9	32.6	27.5	23.9	15.9
6V 6 OPzS 300	215	201	169	147	131	91.5	71.2	58.7	50.3	44.1	39.3	35.6	30	26	17.2

1.83 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	50.2	46.3	38.1	32.6	28.6	19.5	15	12.3	10.5	9.22	8.22	7.43	6.27	5.43	3.60
12V 2 OPzS 100	97	88.6	71.6	60.4	52.3	34.7	26.4	21.5	18.2	15.8	14.1	12.7	10.6	9.17	6.1
12V 3 OPzS 150	138	127	103.2	87.4	76	50.7	38.5	31.3	26.5	23.1	20.5	18.5	15.5	13.3	8.73
6V 4 OPzS 200	175	162	133	114	99.8	67.7	51.9	42.5	36.2	31.7	28.2	25.5	21.4	18.5	12.2
6V 5 OPzS 250	207	193	162	140	124	86.4	67.1	55.4	47.4	41.6	37.2	33.6	28.4	24.6	16.3
6V 6 OPzS 300	236	220	184	159	141	96.9	74.8	61.5	52.4	45.9	40.9	36.9	31	26.9	17.7

1.80 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	56.1	51.5	41.8	35.3	30.7	20.4	15.6	12.7	10.8	9.45	8.42	7.61	6.40	5.55	3.67
12V 2 OPzS 100	108.3	98.7	78.7	65.6	56.3	36.6	27.5	22.3	18.8	16.3	14.5	13	10.9	9.40	6.14
12V 3 OPzS 150	155	142	114	95.4	82.2	53.6	40.3	32.6	27.5	23.9	21.2	19	15.9	13.7	8.9
6V 4 OPzS 200	197	181	147	124	108	71.6	54.4	44.2	37.5	32.7	29.1	26.2	22	19	12.5
6V 5 OPzS 250	234	217	180	154	135	91.9	70.6	57.8	49.2	43.1	38.4	34.7	29.2	25.3	16.7
6V 6 OPzS 300	268	248	205	176	154	104	79.1	64.5	54.7	47.7	42.4	38.3	32.1	27.7	18.2

1.75 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	65.4	59.5	46.9	38.8	33.1	21.3	16.1	13.1	11.1	9.67	8.60	7.76	6.53	5.65	3.74
12V 2 OPzS 100	127	114	88.7	72.3	61	38.3	28.5	22.9	19.3	16.8	14.8	13.4	11.2	9.61	6.28
12V 3 OPzS 150	182	165	129	106	89.6	56.3	41.8	33.6	28.3	24.5	21.7	19.5	16.3	14	9.14
6V 4 OPzS 200	232	212	167	138	118	75.4	56.5	45.7	38.7	33.6	29.9	26.9	22.5	19.5	12.8
6V 5 OPzS 250	277	255	206	173	149	97.4	73.7	59.9	50.8	44.4	39.5	35.6	29.9	25.9	17.1
6V 6 OPzS 300	318	293	237	199	171	111	83.1	67.2	56.8	49.4	43.8	39.5	33	28.5	18.7

1.70 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	73.8	66.2	50.5	40.7	34.2	21.7	16.3	13.2	11.2	9.78	8.70	7.85	6.60	5.72	3.78
12V 2 OPzS 100	143	128	95.7	76.1	63.3	39.1	29	23.3	19.6	17	15.1	13.5	11.3	9.74	6.36
12V 3 OPzS 150	206	185	141	112	93.5	57.6	42.6	34.2	28.7	24.9	22	19.8	16.5	14.2	9.26
6V 4 OPzS 200	265	239	183	147	123	77.2	57.6	46.5	39.3	34.1	30.3	27.3	22.8	19.7	12.9
6V 5 OPzS 250	317	289	227	185	157	99.9	75.1	60.9	51.6	45	40	36.1	30.3	26.3	17.3
6V 6 OPzS 300	366	334	263	215	181	114	84.9	68.5	57.8	50.2	44.5	40.1	33.5	28.9	18.9

1.65 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	81	71.5	52.5	41.6	34.8	21.9	16.5	13.4	11.3	9.86	8.77	7.92	6.65	5.76	3.81
12V 2 OPzS 100	158	138	99.7	77.9	64.4	39.5	29.3	23.5	19.8	17.2	15.2	13.7	11.4	9.82	6.41
12V 3 OPzS 150	229	202	147	115	95.3	58.3	43.1	34.5	29	25.1	22.2	20	16.7	14.3	9.34
6V 4 OPzS 200	294	261	192	151	126	78.2	58.2	46.9	39.6	34.5	30.6	27.5	23.1	19.9	13
6V 5 OPzS 250	355	319	241	192	161	101	76	61.6	52.2	45.5	40.4	36.5	30.6	26.5	17.5
6V 6 OPzS 300	411	371	281	224	186	116	86	69.3	58.4	50.7	45	40.5	33.9	29.2	19.1

1.60 V/c - Discharge data in Amperes at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	86.7	75.1	53.4	42.1	35.1	22.1	16.6	13.4	11.4	9.9	8.83	7.96	6.69	5.79	3.83
12V 2 OPzS 100	169	146	101	78.8	65	39.8	29.5	23.7	19.9	17.3	15.3	13.7	11.5	10	6
12V 3 OPzS 150	247	214	151	116.8	96.3	58.7	43.4	34.8	29.2	25.3	22.4	20.1	16.8	14.4	9.41
6V 4 OPzS 200	320	279	197	153	127	78.8	58.7	47.3	39.9	34.7	30.8	27.7	23.2	20	13.1
6V 5 OPzS 250	388	343	248	195	163	102	76.6	62	52.5	45.8	40.7	36.7	30.8	26.7	17.6
6V 6 OPzS 300	451	401	292	228	189	117	86.7	69.8	58.9	51.1	45.3	40.8	34.1	29.4	19.2



TRIATHLON® OPzS: Discharge data in Watts

1.90 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	65.4	62.7	53	46.4	41.6	30.1	24	20.1	17.4	15.4	13.9	12.6	10.8	9.4	6.35
12V 2 OPzS 100	128	119	98.9	85.4	75.6	53.1	41.6	34.5	29.7	26.1	23.3	21.1	17.9	15.5	10.3
12V 3 OPzS 150	181	170	141	123	109	76.6	60.1	49.9	42.8	37.7	33.7	30.6	25.8	22.4	14.9
6V 4 OPzS 200	221	215	182	159	142	102	80.8	67.5	58.3	51.5	46.2	42	35.7	31.1	20.8
6V 5 OPzS 250	251	247	217	192	174	128	103	86.7	75.3	66.9	60.3	54.9	46.9	41	27.7
6V 6 OPzS 300	287	283	245	216	194	141	113	94.6	81.9	72.4	65.1	59.2	50.3	43.9	29.5

1.87 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	78	72.4	60.6	52.7	46.9	33.4	26.3	21.9	18.9	16.7	15	13.6	11.5	10.1	6.74
12V 2 OPzS 100	150	138	113.5	97.3	85.7	59.2	45.9	37.9	32.4	28.4	25.3	22.9	19.3	16.8	11.1
12V 3 OPzS 150	213	197	163	140	124	85.8	66.6	54.9	47	41.2	36.7	33.2	28	24.3	16.1
6V 4 OPzS 200	270	251	210	182	162	114	89.6	74.4	64	56.3	50.4	45.7	38.7	33.7	22.4
6V 5 OPzS 250	310	297	253	222	199	144	115	96.1	83.1	73.5	66	60	51	44.5	29.9
6V 6 OPzS 300	357	337	286	251	224	160	127	105.6	91	80.2	71.9	65.2	55.3	48.1	32.1

1.85 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	84.7	78.4	65.2	56.5	50	35.1	27.5	22.8	19.6	17.3	15.5	14	11.9	10.3	6.92
12V 2 OPzS 100	163	150	122	105	91.6	62.5	48.2	39.6	33.8	29.6	26.3	23.8	20	17.4	11.5
12V 3 OPzS 150	232	214	176	151	133	90.8	70.1	57.6	49.1	43	38.3	34.6	29.1	25.2	16.6
6V 4 OPzS 200	295	273	227	196	174	121	94.3	78	66.9	58.8	52.5	47.6	40.2	34.9	23.2
6V 5 OPzS 250	347	324	274	240	215	154	121	101	87.1	76.8	68.9	62.6	53.1	46.2	30.9
6V 6 OPzS 300	394	369	311	272	242	171	134	112	95.8	84.3	75.4	68.3	57.7	50.2	33.3

1.83 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	91.1	84.1	69.6	59.9	52.8	36.6	28.5	23.5	20.2	17.7	15.8	14.4	12.1	10.6	7.4
12V 2 OPzS 100	176	161	131	111	96.9	65.3	50.1	41	34.9	30.4	27.1	24.5	20.6	17.8	11.7
12V 3 OPzS 150	251	231	189	161	141	95.1	72.9	59.7	50.8	44.3	39.4	35.6	29.9	25.9	17
6V 4 OPzS 200	319	294	243	209	184	127	98.2	80.9	69.2	60.6	54.1	49	41.3	35.8	23.7
6V 5 OPzS 250	376	351	295	257	229	161	126	105	90.2	79.4	71.1	64.5	54.6	47.5	31.7
6V 6 OPzS 300	430	400	336	292	259	181	141	116	99.6	87.5	78.1	70.7	59.6	51.7	34.3

1.80 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	100	92.1	75.4	64.2	56.2	38.2	29.5	24.2	20.7	18.1	16.2	14.7	12.4	10.8	7.16
12V 2 OPzS 100	193	177	142	120	103	68.5	52.1	42.4	35.9	31.3	27.8	25.1	21.1	18.2	12
12V 3 OPzS 150	277	254	206	174	151	100	76.1	61.9	52.5	45.7	40.6	36.6	30.7	26.5	17.4
6V 4 OPzS 200	352	324	266	226	197	133	102	83.9	71.5	62.5	55.7	50.3	42.4	36.7	24.2
6V 5 OPzS 250	418	388	323	279	246	170	132	109	93.4	82	73.3	66.4	56.1	48.7	32.4
6V 6 OPzS 300	478	444	369	318	280	192	148	122	104	90.8	80.9	73.1	61.5	53.3	35.2

1.75 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	113	104	83.1	69.6	60.1	39.7	30.3	24.8	21.1	18.5	16.5	14.9	12.6	10.9	7.27
12V 2 OPzS 100	220	200	157	130	111	71.5	53.8	43.6	36.9	32.1	28.5	25.7	21.5	18.6	12.2
12V 3 OPzS 150	315	288	229	190	163	105	78.8	63.8	53.9	46.9	41.6	37.5	31.4	27.1	17.8
6V 4 OPzS 200	403	369	296	248	213	140	106	86.5	73.5	64.1	57.1	51.5	43.3	37.5	24.7
6V 5 OPzS 250	481	443	363	308	268	180	138	113	96.2	84.3	75.2	68	57.4	49.8	33
6V 6 OPzS 300	552	509	417	353	307	204	155	126	107	93.7	83.3	75.2	63.2	54.7	36

1.70 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	125	113	88.4	72.8	62	40.4	30.7	25.1	21.4	18.7	16.7	15.1	12.7	11	7.34
12V 2 OPzS 100	242	218	168	136	115	72.8	54.6	44.1	37.3	32.5	28.8	26	21.8	18.8	12.3
12V 3 OPzS 150	349	316	245	200	169	107	80.1	64.7	54.6	47.5	42.1	37.9	31.7	27.4	18
6V 4 OPzS 200	448	406	318	261	222	143	108	87.8	74.5	65	57.8	52.2	43.8	37.9	25
6V 5 OPzS 250	535	491	392	327	281	184	140	115	97.6	85.4	76.2	68.9	58.1	50.4	33.4
6V 6 OPzS 300	617	566	454	378	324	210	158	129	109	95.1	84.5	76.3	64	55.4	36.4

1.65 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	134	120	91.4	74.2	62.9	40.7	31	25.3	21.5	18.8	16.8	15.2	12.8	11.1	7.39
12V 2 OPzS 100	260	232	174	139	117	73.5	55.1	44.5	37.6	32.7	29	26.2	21.9	18.9	12.4
12V 3 OPzS 150	377	338	256	205	172	108	80.8	65.2	55.1	47.9	42.5	38.2	32	27.6	18.1
6V 4 OPzS 200	485	436	332	268	226	145	109	88.5	75.1	65.5	58.3	52.6	44.2	38.2	25.2
6V 5 OPzS 250	583	529	412	337	287	186	142	116	98.4	86.1	76.8	69.4	58.5	50.8	33.7
6V 6 OPzS 300	674	614	480	392	332	212	160	130	110	95.9	85.3	76.9	64.6	55.8	36.7

1.60 V/c - Discharge data in Watts at 20 °C

Type designation	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	10 h	12 h	20 h
OPzS block batteries															
12V 1 OPzS 50	141	125	92.9	74.9	63.4	41	31.1	25.4	21.6	18.9	16.9	15.3	12.9	11.2	7.43
12V 2 OPzS 100	274	242	177	141	118	74	55.4	44.8	37.8	32.9	29.2	26.3	22	19	12.5
12V 3 OPzS 150	399	354	261	207	174	109	81.3	65.6	55.4	48.1	42.7	38.4	32.2	27.8	18.2
6V 4 OPzS 200	515	458	339	272	229	146	110	89.1	75.5	65.9	58.6	52.9	44.4	38.4	25.3
6V 5 OPzS 250	622	558	424	343	290	188	143	116	99	86.6	77.2	69.8	58.8	51	33.8
6V 6 OPzS 300	722	651	495	399	336	214	161	131	111	96.5	85.8	77.4	65	56.2	37



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