

Industrial Batteries / Network Power

Sonnenschein A600

dryfit[®] ✦
✦ inside



*»Premium quality for
uninterrupted communication«*



Industrial Batteries

The strong range of Network Power

Energy storage solutions for critical systems that require uninterrupted power supply. GNB® Industrial Power offers powerful batteries for your individual needs.

Applications	Battery ranges																	
	Sonnenschein						Marathon		Sprinter		Absolyte	Powerfit	Classic					
	A400/A600	A400 FT	A500	A700	Solar	Rail	M FT	M/L/XL	S	P/XP	GP/GX	S200/S300	GRoE	OCSM	OPzS	Energy Bloc/OGi	Solar	Rail
Telecom	●	●	●	●			●	●	●	●	●			●	●	●		
UPS		●	●	●			●	●	●	●	●			●		●		
Emergency lighting	●		●					●		●		●			●	●		
Security	●		●	●						●		●		●	●			
Utility	●	●		●			●	●	●	●	●		●	●	●	●		
Railways	●	●	●	●		●	●	●	●	●	●			●		●		●
Photovoltaic					●						●							●
Universal	●	●	●	●			●	●	●	●	●	●		●	●	●		

The GNB Network Power brand overview

ABSOLYTE™ **MARATHON™** > VRLA batteries (Valve Regulated Lead Acid) in which the electrolyte is fixed in a glassmat (AGM)
Sprinter® **Powerfit™** > Excellent high current capability
 > Especially economical
 > Maintenance-free (no topping up)

> VRLA batteries (Valve Regulated Lead Acid) 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



Further information about service is available on page 14.

Sonnenschein A600

More than just OPzV

Sonnenschein A600 has extraordinary energy-saving features in addition with robust reliability, proven for decades in many installations worldwide.

Your benefit:

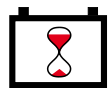
- > **dryfit Gel technology** – leak proof
- > **Lowest energy consumption** – saving costs
- > **Robust design** – resilient in harsh conditions
- > **Proof against deep discharge** – greater long-term energy delivery
- > **Strong tubular plate design** – extremely long design life
- > **Horizontal mounting possible** – easy installation and maintenance
- > **Completely recyclable** – low CO₂-footprint



Specifications

- > Very low gassing due to internal gas recombination
- > Nominal capacity 91 – 3286 Ah C₁₀
- > Design life: 15 years for 6/12 V blocks and 20 years for 2 V cells at 20 °C (80% remaining capacity from C₁₀)
- > Available as standard or flame retardant version (UL 94-V0)
- > Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate

- > Cells in compliance with DIN 40 742
- > Designed in accordance with IEC 60896-21/-22
- > Manufactured in Europe in our ISO 9001 certified production plants



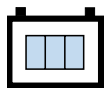
Design life in years:
15 for blocks
20 for cells



Nominal Capacity
91.0 – 3286 Ah



Block battery / single cell



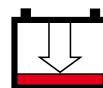
Tubular plate



Recyclable



Valve regulated lead-acid batteries



Proof against deep discharge



Maintenance-free (no topping up)

Sonnenschein A600

Technical Data

Technical characteristics and data

Type	Part number	Type acc. to 1DIN 40 742 2DIN 40 744	Nom. voltage V	Nominal capacity C ₁₀ 1.80 Vpc 20 °C Ah	Length (l)	Width (b/w)	Height (h1)	Height* (h2)	Weight approx. kg	Internal resistance mOhm	Short circuit current A	Terminal	Pole pairs
					max. mm	max. mm	max. mm	max. mm					
A602/225	NGA6020225HS0FC	4 OPzV 200 ¹	2	224	105	208	357	399	19.0	0.95	2200	F-M8	1
A602/280	NGA6020280HS0FC	5 OPzV 250 ¹	2	280	126	208	357	399	23.0	0.79	2700	F-M8	1
A602/335	NGA6020335HS0FC	6 OPzV 300 ¹	2	337	147	208	357	399	27.0	0.61	3340	F-M8	1
A602/415	NGA6020415HS0FC	5 OPzV 350 ¹	2	416	126	208	473	515	30.0	0.62	3310	F-M8	1
A602/500	NGA6020500HS0FC	6 OPzV 420 ¹	2	499	147	208	473	515	35.0	0.53	3930	F-M8	1
A602/580	NGA6020580HS0FC	7 OPzV 490 ¹	2	582	168	208	473	515	39.0	0.47	4370	F-M8	1
A602/750	NGA6020750HS0FC	6 OPzV 600 ¹	2	748	147	208	648	690	49.0	0.48	4290	F-M8	1
A602/1010	NGA6021010HS0FC	8 OPzV 800 ¹	2	998	212	193	648	690	66.0	0.38	4830	F-M8	2
A602/1250	NGA6021250HS0FC	10 OPzV 1000 ¹	2	1248	212	235	648	690	80.0	0.33	6260	F-M8	2
A602/1510	NGA6021510HS0FC	12 OPzV 1200 ¹	2	1497	212	277	648	690	95.0	0.29	7840	F-M8	2
A602/1650C	NGA6021650HS0FE	12 OPzV 1500 ¹	2	1643	212	277	717	759	115	0.23	9000	F-M8	2
A602/2200	NGA6022200HS0FC	16 OPzV 2000 ¹	2	2190	216	400	775	816	160	0.15	14000	F-M8	3
A602/2740	NGA6022740HS0FC	20 OPzV 2500 ¹	2	2738	214	489	774	816	198	0.12	17500	F-M8	4
A602/3300	NGA6023300HS0FC	24 OPzV 3000 ¹	2	3286	214	578	774	816	238	0.10	21000	F-M8	4
A606/200	NGA6060200HS0FA	6V 4 OPzV 200 ²	6	182	273	204	320	358	43.0	2.31	2550	F-M8	1
A606/300	NGA6060300HS0FA	6V 6 OPzV 300 ²	6	274	381	204	320	358	62.0	1.80	3300	F-M8	1
A612/100	NGA6120100HS0FA	12V 2 OPzV 100 ²	12	91.0	273	204	320	358	43.0	8.28	1400	F-M8	1
A612/150	NGA6120150HS0FA	12V 3 OPzV 150 ²	12	137	381	204	320	358	63.0	5.88	2000	F-M8	1

*includes installed connector

Approval, terminal and torque

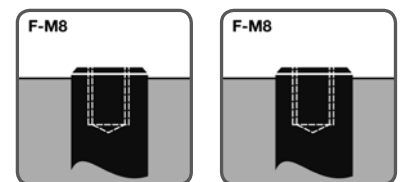
> Approval:

Blocks:

- DIN/Gost/TÜV, Russia

Cells:

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



blocks – 12 Nm

cells – 20 Nm

Data are also valid for UL 94-V0 version.

Change »H« to »V« in the part number. E.g.:

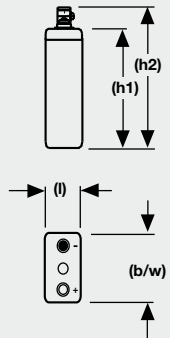
> **Standard:** NGA6120100 H SOFA

> **UL 94-V0:** NGA6120100 V SOFA

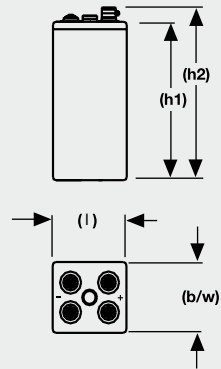
Sonnenschein A600

Drawings

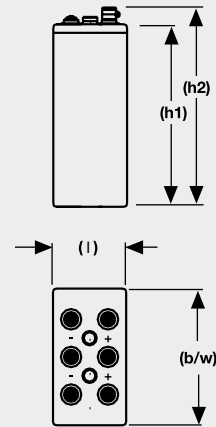
A602/225 -
A602/750



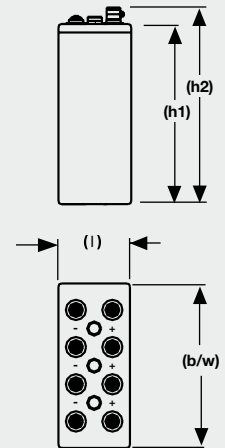
A602/1010 -
A602/1650C



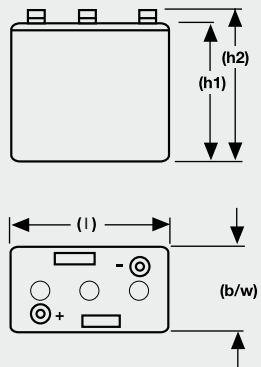
A602/2200



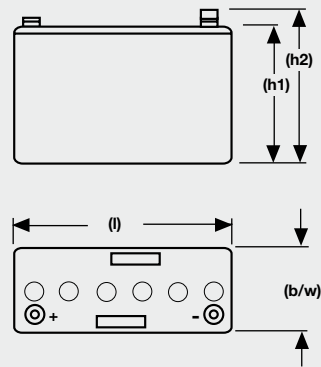
A602/2740 -
A602/3300



A606/200 -
A606/300



A612/100 -
A612/150



Sonnenschein A600

Constant current discharge · A600 blocks

1.87 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	177	162	137	116	81.7	55.9	42.6	34.5	29.3	20.1	16.7
6V 6 OPzV 300	NGA6060300HS0FA	266	238	214	163	120	83.2	63.8	51.7	43.9	30.2	25.1
12V 2 OPzV 100	NGA6120100HS0FA	96.9	86.7	75.8	64.6	42.8	28.5	21.3	17.2	14.6	10.1	8.40
12V 3 OPzV 150	NGA6120150HS0FA	139	126	108	91.8	62.7	42.5	31.9	25.8	21.9	15.1	12.5

1.83 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	205	181	162	131	91.2	60.0	45.2	36.4	30.8	21.3	17.5
6V 6 OPzV 300	NGA6060300HS0FA	281	249	221	190	134	88.9	67.8	54.6	46.2	31.3	26.2
12V 2 OPzV 100	NGA6120100HS0FA	112	96.9	88.5	71.2	47.5	30.4	22.6	18.2	15.4	10.6	8.70
12V 3 OPzV 150	NGA6120150HS0FA	162	141	126	103	69.8	45.3	33.9	27.3	23.1	16.0	13.1

1.80 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	231	201	181	148	101	63.9	47.9	38.1	31.9	22.0	18.2
6V 6 OPzV 300	NGA6060300HS0FA	314	281	249	215	148	94.0	71.8	57.2	47.9	33.1	27.4
12V 2 OPzV 100	NGA6120100HS0FA	126	109	96.9	75.8	52.3	31.9	23.9	19.0	16.0	11.0	9.10
12V 3 OPzV 150	NGA6120150HS0FA	181	157	141	110	76.9	47.6	35.9	28.5	23.9	16.5	13.7

1.75 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	253	227	187	155	108	66.5	49.8	39.6	33.1	22.4	18.6
6V 6 OPzV 300	NGA6060300HS0FA	346	319	259	226	160	98.1	74.7	59.3	49.6	33.6	27.9
12V 2 OPzV 100	NGA6120100HS0FA	139	124	105	83.1	56.1	33.7	24.9	19.7	16.5	11.2	9.30
12V 3 OPzV 150	NGA6120150HS0FA	200	179	148	120	82.7	50.2	37.3	29.6	24.8	16.8	14.0

1.70 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	277	253	223	173	114	70.3	50.9	40.4	33.8	22.8	18.6
6V 6 OPzV 300	NGA6060300HS0FA	395	357	314	253	168	105	76.4	60.4	50.4	34.2	27.9
12V 2 OPzV 100	NGA6120100HS0FA	151	137	123	91.8	58.9	36.1	25.5	20.2	16.9	11.4	9.30
12V 3 OPzV 150	NGA6120150HS0FA	219	198	176	133	86.9	53.6	38.2	30.4	25.4	17.1	14.0

1.65 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	313	273	240	179	114	70.3	50.9	40.4	33.8	22.8	18.6
6V 6 OPzV 300	NGA6060300HS0FA	440	389	340	262	168	105	76.4	60.4	50.4	34.2	27.9
12V 2 OPzV 100	NGA6120100HS0FA	167	149	131	95.0	58.9	36.1	25.5	20.2	16.9	11.4	9.30
12V 3 OPzV 150	NGA6120150HS0FA	243	216	190	137	86.9	53.6	38.2	30.4	25.4	17.1	14.0

Sonnenschein A600

Constant current discharge · A600 cells

1.90 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	144	126	107	76.2	59.6	45.7	31.2	21.4	18.3
5 OPzV 250	NGA6020280HS0FC	180	158	134	95.3	74.5	57.1	39.0	26.8	22.9
6 OPzV 300	NGA6020335HS0FC	216	189	161	114	89.4	68.6	46.8	32.1	22.5
5 OPzV 350	NGA6020415HS0FC	244	231	187	143	112	90.0	65.3	44.8	36.7
6 OPzV 420	NGA6020500HS0FC	293	277	224	172	134	108	78.4	53.8	44.0
7 OPzV 490	NGA6020580HS0FC	342	323	262	200	157	126	91.4	62.7	51.4
6 OPzV 600	NGA6020750HS0FC	270	258	243	214	167	138	102	71.9	60.3
8 OPzV 800	NGA6021010HS0FC	360	344	324	285	223	184	136	95.9	80.4
10 OPzV 1000	NGA6021250HS0FC	450	430	405	357	278	230	171	120	101
12 OPzV 1200	NGA6021510HS0FC	540	516	486	428	334	276	205	144	121
12 OPzV 1500	NGA6021650HS0FE	518	518	507	420	312	261	205	155	129
16 OPzV 2000	NGA6022200HS0FC	691	669	639	581	469	381	284	207	172
20 OPzV 2500	NGA6022740HS0FC	863	837	798	727	587	477	355	259	216
24 OPzV 3000	NGA6023300HS0FC	1036	1004	958	872	704	572	427	310	259

1.87 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	173	156	124	83.9	64.7	49.5	34.7	24.2	20.5
5 OPzV 250	NGA6020280HS0FC	216	195	155	105	80.9	61.9	43.4	30.3	25.6
6 OPzV 300	NGA6020335HS0FC	260	234	186	126	97.1	74.3	52.1	36.3	30.8
5 OPzV 350	NGA6020415HS0FC	308	284	223	163	119	96.6	69.4	47.8	39.6
6 OPzV 420	NGA6020500HS0FC	370	341	268	196	143	116	83.3	57.4	47.5
7 OPzV 490	NGA6020580HS0FC	431	398	313	228	167	135	97.2	66.9	55.4
6 OPzV 600	NGA6020750HS0FC	340	327	305	248	190	154	113	78.0	64.5
8 OPzV 800	NGA6021010HS0FC	453	436	407	331	253	205	150	104	86.0
10 OPzV 1000	NGA6021250HS0FC	567	545	508	413	317	257	188	130	108
12 OPzV 1200	NGA6021510HS0FC	680	654	610	496	380	308	226	156	129
12 OPzV 1500	NGA6021650HS0FE	624	624	615	548	380	319	227	167	139
16 OPzV 2000	NGA6022200HS0FC	832	817	793	632	520	437	313	223	185
20 OPzV 2500	NGA6022740HS0FC	1040	1022	992	790	650	547	391	278	231
24 OPzV 3000	NGA6023300HS0FC	1248	1226	1190	948	780	656	469	334	277

1.85 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	194	171	137	90.0	68.1	52.0	36.3	25.2	21.3
5 OPzV 250	NGA6020280HS0FC	243	214	171	113	85.1	65.0	45.4	31.5	26.6
6 OPzV 300	NGA6020335HS0FC	291	257	206	135	102	78.0	54.5	37.8	32.0
5 OPzV 350	NGA6020415HS0FC	332	308	249	176	124	101	71.3	49.1	40.0
6 OPzV 420	NGA6020500HS0FC	398	370	299	211	149	121	85.6	58.9	48.5
7 OPzV 490	NGA6020580HS0FC	465	431	349	246	174	141	100	68.7	56.6
6 OPzV 600	NGA6020750HS0FC	389	368	336	269	202	165	119	82.1	67.6
8 OPzV 800	NGA6021010HS0FC	519	491	448	359	269	220	159	109	90.1
10 OPzV 1000	NGA6021250HS0FC	648	613	560	448	337	275	199	137	113
12 OPzV 1200	NGA6021510HS0FC	778	736	672	538	404	330	238	164	135
12 OPzV 1500	NGA6021650HS0FE	702	702	683	597	431	339	252	181	150
16 OPzV 2000	NGA6022200HS0FC	1031	972	864	680	555	463	335	241	200
20 OPzV 2500	NGA6022740HS0FC	1288	1215	1080	850	693	578	419	302	249
24 OPzV 3000	NGA6023300HS0FC	1546	1458	1296	1020	832	694	503	362	299

Sonnenschein A600

Constant current discharge · A600 cells

1.83 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	209	182	148	97.7	71.4	54.9	38.0	26.2	22.0
5 OPzV 250	NGA6020280HS0FC	261	228	185	122	89.3	68.6	47.5	32.8	27.5
6 OPzV 300	NGA6020335HS0FC	314	273	222	147	107	82.4	57.0	39.3	33.0
5 OPzV 350	NGA6020415HS0FC	350	337	265	187	130	104	72.9	49.8	40.9
6 OPzV 420	NGA6020500HS0FC	420	404	318	224	156	125	87.5	59.8	49.1
7 OPzV 490	NGA6020580HS0FC	490	472	371	262	182	146	102	69.7	57.3
6 OPzV 600	NGA6020750HS0FC	421	404	365	290	216	175	125	86.3	70.4
8 OPzV 800	NGA6021010HS0FC	561	539	487	387	288	233	167	115	93.9
10 OPzV 1000	NGA6021250HS0FC	702	673	608	483	360	292	208	144	117
12 OPzV 1200	NGA6021510HS0FC	842	808	730	580	432	350	250	173	141
12 OPzV 1500	NGA6021650HS0FE	756	756	717	645	480	374	268	190	157
16 OPzV 2000	NGA6022200HS0FC	1123	1077	944	733	589	497	358	254	210
20 OPzV 2500	NGA6022740HS0FC	1403	1347	1180	917	737	622	447	317	262
24 OPzV 3000	NGA6023300HS0FC	1684	1616	1416	1100	884	746	537	381	314

1.80 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	232	196	162	106	75.6	58.0	39.2	26.6	22.4
5 OPzV 250	NGA6020280HS0FC	290	245	203	133	94.5	72.5	49.0	33.3	28.0
6 OPzV 300	NGA6020335HS0FC	348	294	243	159	113	87.0	58.8	39.9	33.7
5 OPzV 350	NGA6020415HS0FC	397	364	280	201	135	107	75.1	50.8	41.6
6 OPzV 420	NGA6020500HS0FC	476	437	336	241	162	128	90.1	61.0	49.9
7 OPzV 490	NGA6020580HS0FC	556	510	392	281	189	149	105	71.1	58.2
6 OPzV 600	NGA6020750HS0FC	478	458	388	314	228	182	131	90.5	74.8
8 OPzV 800	NGA6021010HS0FC	637	611	517	419	304	243	175	121	99.8
10 OPzV 1000	NGA6021250HS0FC	797	763	647	523	380	303	218	151	125
12 OPzV 1200	NGA6021510HS0FC	956	916	776	628	456	364	262	181	150
12 OPzV 1500	NGA6021650HS0FE	859	859	808	694	526	410	287	199	164
16 OPzV 2000	NGA6022200HS0FC	1279	1197	1076	863	657	531	378	266	219
20 OPzV 2500	NGA6022740HS0FC	1598	1497	1345	1078	822	663	473	332	274
24 OPzV 3000	NGA6023300HS0FC	1918	1796	1614	1294	986	796	567	399	329

1.75 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	265	229	182	115	79.9	60.3	39.8	27.0	22.6
5 OPzV 250	NGA6020280HS0FC	331	286	228	144	100	75.4	49.8	33.8	28.3
6 OPzV 300	NGA6020335HS0FC	398	344	273	173	120	90.5	59.7	40.5	33.9
5 OPzV 350	NGA6020415HS0FC	423	389	300	215	139	109	76.6	51.8	42.6
6 OPzV 420	NGA6020500HS0FC	508	467	360	258	167	131	91.9	62.2	51.1
7 OPzV 490	NGA6020580HS0FC	592	545	420	301	195	153	107	72.5	59.6
6 OPzV 600	NGA6020750HS0FC	561	534	463	354	240	190	135	92.2	75.9
8 OPzV 800	NGA6021010HS0FC	748	712	617	472	320	253	180	123	101
10 OPzV 1000	NGA6021250HS0FC	935	890	772	590	400	317	225	154	127
12 OPzV 1200	NGA6021510HS0FC	1122	1068	926	708	480	380	269	184	152
12 OPzV 1500	NGA6021650HS0FE	1049	1049	982	777	585	452	309	209	172
16 OPzV 2000	NGA6022200HS0FC	1356	1313	1237	1012	712	567	397	278	229
20 OPzV 2500	NGA6022740HS0FC	1695	1642	1547	1265	890	708	496	348	287
24 OPzV 3000	NGA6023300HS0FC	2034	1970	1856	1518	1068	850	596	418	344

Sonnenschein A600

Constant current discharge · A600 cells

1.70 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	290	258	201	120	81.6	60.8	40.2	27.3	22.7
5 OPzV 250	NGA6020280HS0FC	363	323	251	150	102	76.0	50.3	34.1	28.4
6 OPzV 300	NGA6020335HS0FC	435	387	302	180	122	91.2	60.3	41.0	34.1
5 OPzV 350	NGA6020415HS0FC	468	425	334	220	142	111	78.2	52.4	43.0
6 OPzV 420	NGA6020500HS0FC	562	510	401	264	170	133	93.8	62.9	51.6
7 OPzV 490	NGA6020580HS0FC	655	595	468	308	199	155	109	73.4	60.2
6 OPzV 600	NGA6020750HS0FC	639	615	527	388	252	195	136	92.7	76.4
8 OPzV 800	NGA6021010HS0FC	852	820	703	517	336	260	181	124	102
10 OPzV 1000	NGA6021250HS0FC	1065	1025	878	647	420	325	226	155	127
12 OPzV 1200	NGA6021510HS0FC	1278	1230	1054	776	504	390	271	185	153
12 OPzV 1500	NGA6021650HS0FE	1268	1260	1135	903	623	479	322	222	176
16 OPzV 2000	NGA6022200HS0FC	1557	1480	1365	1140	753	580	406	285	234
20 OPzV 2500	NGA6022740HS0FC	1947	1850	1707	1425	942	725	507	356	293
24 OPzV 3000	NGA6023300HS0FC	2336	2220	2048	1710	1130	870	608	427	351

1.65 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	314	278	212	122	82.5	61.0	40.4	27.5	22.8
5 OPzV 250	NGA6020280HS0FC	393	348	265	153	103	76.3	50.5	34.4	28.5
6 OPzV 300	NGA6020335HS0FC	471	417	318	183	124	91.5	60.6	41.3	34.2
5 OPzV 350	NGA6020415HS0FC	488	458	354	230	144	112	79.3	52.8	43.4
6 OPzV 420	NGA6020500HS0FC	586	550	425	276	173	134	95.2	63.4	52.1
7 OPzV 490	NGA6020580HS0FC	683	641	496	322	202	157	111	73.9	60.8
6 OPzV 600	NGA6020750HS0FC	715	696	583	411	255	197	136	93.2	76.8
8 OPzV 800	NGA6021010HS0FC	953	928	777	548	340	262	182	124	102
10 OPzV 1000	NGA6021250HS0FC	1192	1160	972	685	425	328	227	155	128
12 OPzV 1200	NGA6021510HS0FC	1430	1392	1166	822	510	394	272	186	154
12 OPzV 1500	NGA6021650HS0FE	1463	1446	1249	960	645	491	328	225	178
16 OPzV 2000	NGA6022200HS0FC	1760	1608	1476	1208	777	596	413	289	238
20 OPzV 2500	NGA6022740HS0FC	2200	2010	1845	1510	972	745	516	361	297
24 OPzV 3000	NGA6023300HS0FC	2640	2412	2214	1812	1166	894	619	433	356

1.60 Vpc – Discharge in A at 20 °C

Type acc. to DIN 40 742	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
4 OPzV 200	NGA6020225HS0FC	326	300	222	123	82.8	61.2	40.6	27.6	22.9
5 OPzV 250	NGA6020280HS0FC	408	375	278	154	104	76.5	50.8	34.5	28.6
6 OPzV 300	NGA6020335HS0FC	489	450	333	185	124	91.8	60.9	41.4	34.4
5 OPzV 350	NGA6020415HS0FC	500	478	382	238	146	113	80.2	53.2	43.8
6 OPzV 420	NGA6020500HS0FC	600	574	458	286	175	136	96.2	63.8	52.6
7 OPzV 490	NGA6020580HS0FC	700	669	535	333	204	158	112	74.5	61.3
6 OPzV 600	NGA6020750HS0FC	786	767	632	429	260	198	137	93.6	77.2
8 OPzV 800	NGA6021010HS0FC	1048	1023	843	572	347	264	182	125	103
10 OPzV 1000	NGA6021250HS0FC	1310	1278	1053	715	433	330	228	156	129
12 OPzV 1200	NGA6021510HS0FC	1572	1534	1264	858	520	396	273	187	154
12 OPzV 1500	NGA6021650HS0FE	1604	1480	1295	992	662	497	332	226	180
16 OPzV 2000	NGA6022200HS0FC	2059	1872	1664	1267	807	607	417	292	240
20 OPzV 2500	NGA6022740HS0FC	2573	2340	2080	1583	1008	758	522	365	300
24 OPzV 3000	NGA6023300HS0FC	3088	2808	2496	1900	1210	910	626	438	360

Sonnenschein A600

Constant power discharge · A600 blocks

1.87 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	999	915	774	654	468	324	247	201	171	118	98.0
6V 6 OPzV 300	NGA6060300HS0FA	1500	1341	1206	918	687	480	372	300	256	177	147
12V 2 OPzV 100	NGA6120100HS0FA	1092	978	858	726	490	329	247	200	170	118	98.0
12V 3 OPzV 150	NGA6120150HS0FA	1566	1422	1218	1032	720	491	370	301	255	177	146

1.83 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	1131	999	900	729	516	342	261	211	179	124	102
6V 6 OPzV 300	NGA6060300HS0FA	1551	1374	1227	1056	756	507	393	315	268	183	153
12V 2 OPzV 100	NGA6120100HS0FA	1236	1068	984	792	536	347	261	211	179	124	101
12V 3 OPzV 150	NGA6120150HS0FA	1788	1554	1398	1146	786	517	392	316	268	187	153

1.80 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	1254	1098	993	816	567	363	277	220	185	128	106
6V 6 OPzV 300	NGA6060300HS0FA	1704	1533	1368	1188	831	537	414	330	277	192	159
12V 2 OPzV 100	NGA6120100HS0FA	1368	1188	1062	834	587	364	276	215	185	127	106
12V 3 OPzV 150	NGA6120150HS0FA	1968	1716	1548	1212	864	542	415	329	277	191	159

1.75 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	1335	1206	999	834	597	372	280	224	189	129	106
6V 6 OPzV 300	NGA6060300HS0FA	1827	1695	1383	1221	882	549	420	333	284	193	159
12V 2 OPzV 100	NGA6120100HS0FA	1470	1314	1122	894	618	377	280	223	188	128	106
12V 3 OPzV 150	NGA6120150HS0FA	2112	1902	1578	1296	912	562	419	335	283	193	159

1.70 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	1428	1314	1170	918	627	390	284	225	190	129	106
6V 6 OPzV 300	NGA6060300HS0FA	2037	1854	1650	1347	921	582	426	336	284	193	159
12V 2 OPzV 100	NGA6120100HS0FA	1560	1422	1290	972	648	400	284	226	190	129	106
12V 3 OPzV 150	NGA6120150HS0FA	2262	2058	1848	1410	948	593	427	339	285	193	159

1.65 Vpc – Discharge in W/block at 20 °C

Type acc. to DIN 40 744	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
6V 4 OPzV 200	NGA6060200HS0FA	1575	1386	1230	933	627	390	284	225	190	129	106
6V 6 OPzV 300	NGA6060300HS0FA	2211	1974	1743	1368	921	582	426	336	284	193	159
12V 2 OPzV 100	NGA6120100HS0FA	1686	1512	1344	990	648	400	284	226	190	129	106
12V 3 OPzV 150	NGA6120150HS0FA	2454	2196	1944	1422	948	593	427	339	285	193	159

Sonnenschein A600

Constant power discharge · A600 cells

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

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	265	258	248	236	219	197	158	122	101	83.2	69.6
5 OPzV 250	NGA6020280HS0FC	331	323	310	295	274	246	198	153	126	104	87.0
6 OPzV 300	NGA6020335HS0FC	398	387	372	354	329	296	237	183	152	125	104
5 OPzV 350	NGA6020415HS0FC	481	473	463	410	384	343	273	205	158	130	111
6 OPzV 420	NGA6020500HS0FC	577	568	556	492	461	412	328	246	190	156	133
7 OPzV 490	NGA6020580HS0FC	673	662	648	574	538	480	382	287	221	182	155
6 OPzV 600	NGA6020750HS0FC	743	683	588	535	513	495	436	357	294	248	211
8 OPzV 800	NGA6021010HS0FC	991	911	784	713	684	660	581	476	392	331	281
10 OPzV 1000	NGA6021250HS0FC	1238	1138	980	892	855	825	727	595	490	413	352
12 OPzV 1200	NGA6021510HS0FC	1486	1366	1176	1070	1026	990	872	714	588	496	422
12 OPzV 1500	NGA6021650HS0FE	1021	1021	1021	1021	1021	1021	765	598	513	461	415
16 OPzV 2000	NGA6022200HS0FC	1411	1399	1373	1344	1323	1287	1152	908	732	596	511
20 OPzV 2500	NGA6022740HS0FC	1763	1748	1717	1680	1653	1608	1440	1135	915	745	638
24 OPzV 3000	NGA6023300HS0FC	2116	2098	2060	2016	1984	1930	1728	1362	1098	894	766

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

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	315	300	289	270	255	229	172	130	107	90.4	76.9
5 OPzV 250	NGA6020280HS0FC	394	375	361	338	319	286	215	163	134	113	96.1
6 OPzV 300	NGA6020335HS0FC	473	450	434	405	383	344	258	195	161	136	115
5 OPzV 350	NGA6020415HS0FC	534	509	485	445	418	375	302	223	180	146	121
6 OPzV 420	NGA6020500HS0FC	641	611	582	534	502	450	362	268	216	175	145
7 OPzV 490	NGA6020580HS0FC	748	713	679	623	585	525	423	312	252	204	169
6 OPzV 600	NGA6020750HS0FC	772	757	712	648	636	592	495	395	328	276	229
8 OPzV 800	NGA6021010HS0FC	1029	1009	949	864	848	789	660	527	437	368	305
10 OPzV 1000	NGA6021250HS0FC	1287	1262	1187	1080	1060	987	825	658	547	460	382
12 OPzV 1200	NGA6021510HS0FC	1544	1514	1424	1296	1272	1184	990	790	656	552	458
12 OPzV 1500	NGA6021650HS0FE	1163	1163	1163	1163	1163	1163	997	769	632	523	442
16 OPzV 2000	NGA6022200HS0FC	1523	1507	1467	1423	1396	1357	1251	1025	843	697	589
20 OPzV 2500	NGA6022740HS0FC	1903	1883	1833	1778	1745	1697	1563	1282	1053	872	737
24 OPzV 3000	NGA6023300HS0FC	2284	2260	2200	2134	2094	2036	1876	1538	1264	1046	884

1.85 Vpc – Discharge in W/cell at 20 °C

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	343	326	305	290	270	246	181	134	111	94.6	80.0
5 OPzV 250	NGA6020280HS0FC	429	408	381	363	338	308	226	168	139	118	100
6 OPzV 300	NGA6020335HS0FC	515	489	458	435	405	369	272	201	167	142	120
5 OPzV 350	NGA6020415HS0FC	612	569	528	489	457	401	323	234	188	153	128
6 OPzV 420	NGA6020500HS0FC	734	683	634	587	548	481	388	281	226	184	154
7 OPzV 490	NGA6020580HS0FC	857	797	739	685	640	561	452	328	263	214	179
6 OPzV 600	NGA6020750HS0FC	798	772	748	696	686	643	523	410	343	288	240
8 OPzV 800	NGA6021010HS0FC	1064	1029	997	928	915	857	697	547	457	384	320
10 OPzV 1000	NGA6021250HS0FC	1330	1287	1247	1160	1143	1072	872	683	572	480	400
12 OPzV 1200	NGA6021510HS0FC	1596	1544	1496	1392	1372	1286	1046	820	686	576	480
12 OPzV 1500	NGA6021650HS0FE	1266	1266	1266	1266	1266	1239	1102	797	635	539	484
16 OPzV 2000	NGA6022200HS0FC	1673	1653	1587	1520	1467	1403	1301	1101	916	757	639
20 OPzV 2500	NGA6022740HS0FC	2092	2067	1983	1900	1833	1753	1627	1377	1145	947	798
24 OPzV 3000	NGA6023300HS0FC	2510	2480	2380	2280	2200	2104	1952	1652	1374	1136	958

Sonnenschein A600

Constant power discharge · A600 cells

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

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	357	342	331	305	290	265	189	137	114	96.7	82.1
5 OPzV 250	NGA6020280HS0FC	446	428	414	381	363	331	236	171	143	121	103
6 OPzV 300	NGA6020335HS0FC	536	513	497	458	435	398	284	206	171	145	123
5 OPzV 350	NGA6020415HS0FC	636	603	561	520	491	431	341	242	196	159	134
6 OPzV 420	NGA6020500HS0FC	763	724	673	624	589	517	409	290	235	191	161
7 OPzV 490	NGA6020580HS0FC	890	844	785	728	687	603	477	339	274	223	188
6 OPzV 600	NGA6020750HS0FC	856	819	790	748	732	698	550	424	357	300	249
8 OPzV 800	NGA6021010HS0FC	1141	1092	1053	997	976	931	733	565	476	400	332
10 OPzV 1000	NGA6021250HS0FC	1427	1365	1317	1247	1220	1163	917	707	595	500	415
12 OPzV 1200	NGA6021510HS0FC	1712	1638	1580	1496	1464	1396	1100	848	714	600	498
12 OPzV 1500	NGA6021650HS0FE	1376	1376	1376	1361	1360	1317	1163	868	680	572	511
16 OPzV 2000	NGA6022200HS0FC	1897	1867	1840	1717	1673	1517	1376	1149	965	807	681
20 OPzV 2500	NGA6022740HS0FC	2372	2333	2300	2147	2092	1897	1720	1437	1207	1008	852
24 OPzV 3000	NGA6023300HS0FC	2846	2800	2760	2576	2510	2276	2064	1724	1448	1210	1022

1.80 Vpc – Discharge in W/cell at 20 °C

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	393	367	358	335	309	283	199	140	117	100	84.2
5 OPzV 250	NGA6020280HS0FC	491	459	448	419	386	354	249	175	146	125	105
6 OPzV 300	NGA6020335HS0FC	590	551	537	503	464	425	299	210	176	150	126
5 OPzV 350	NGA6020415HS0FC	710	669	603	572	540	480	368	252	201	166	140
6 OPzV 420	NGA6020500HS0FC	852	803	724	686	648	576	442	302	241	199	168
7 OPzV 490	NGA6020580HS0FC	994	937	844	801	756	672	515	353	281	232	196
6 OPzV 600	NGA6020750HS0FC	964	939	888	833	810	782	597	439	372	314	263
8 OPzV 800	NGA6021010HS0FC	1285	1252	1184	1111	1080	1043	796	585	496	419	351
10 OPzV 1000	NGA6021250HS0FC	1607	1565	1480	1388	1350	1303	995	732	620	523	438
12 OPzV 1200	NGA6021510HS0FC	1928	1878	1776	1666	1620	1564	1194	878	744	628	526
12 OPzV 1500	NGA6021650HS0FE	1541	1541	1541	1541	1541	1442	1190	961	746	619	538
16 OPzV 2000	NGA6022200HS0FC	2171	2133	2072	1961	1903	1765	1541	1209	1024	867	728
20 OPzV 2500	NGA6022740HS0FC	2713	2667	2590	2452	2378	2207	1927	1512	1280	1083	910
24 OPzV 3000	NGA6023300HS0FC	3256	3200	3108	2942	2854	2648	2312	1814	1536	1300	1092

1.75 Vpc – Discharge in W/cell at 20 °C

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	454	442	410	390	352	312	211	144	121	102	87.3
5 OPzV 250	NGA6020280HS0FC	568	553	513	488	440	390	264	180	151	128	109
6 OPzV 300	NGA6020335HS0FC	681	663	615	585	528	468	317	216	182	153	131
5 OPzV 350	NGA6020415HS0FC	764	743	676	624	600	526	398	265	206	171	143
6 OPzV 420	NGA6020500HS0FC	917	892	811	749	720	631	478	318	247	205	171
7 OPzV 490	NGA6020580HS0FC	1070	1040	946	874	840	736	557	371	288	239	200
6 OPzV 600	NGA6020750HS0FC	1069	1048	1007	955	918	880	670	457	386	329	275
8 OPzV 800	NGA6021010HS0FC	1425	1397	1343	1273	1224	1173	893	609	515	439	367
10 OPzV 1000	NGA6021250HS0FC	1782	1747	1678	1592	1530	1467	1117	762	643	548	458
12 OPzV 1200	NGA6021510HS0FC	2138	2096	2014	1910	1836	1760	1340	914	772	658	550
12 OPzV 1500	NGA6021650HS0FE	1818	1818	1818	1818	1818	1737	1341	1046	827	671	582
16 OPzV 2000	NGA6022200HS0FC	2479	2459	2401	2224	2120	1985	1684	1268	1088	919	776
20 OPzV 2500	NGA6022740HS0FC	3098	3073	3002	2780	2650	2482	2105	1585	1360	1148	970
24 OPzV 3000	NGA6023300HS0FC	3718	3688	3602	3336	3180	2978	2526	1902	1632	1378	1164

Sonnenschein A600

Constant power discharge · A600 cells

1.70 Vpc – Discharge in W/cell at 20 °C

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	539	504	454	430	390	346	225	146	122	104	88.9
5 OPzV 250	NGA6020280HS0FC	674	630	568	538	488	433	281	183	153	130	111
6 OPzV 300	NGA6020335HS0FC	809	756	681	645	585	519	338	219	183	156	133
5 OPzV 350	NGA6020415HS0FC	849	811	764	696	650	573	421	275	209	173	143
6 OPzV 420	NGA6020500HS0FC	1019	973	917	835	780	688	505	330	251	207	172
7 OPzV 490	NGA6020580HS0FC	1189	1135	1070	974	910	802	589	385	293	242	200
6 OPzV 600	NGA6020750HS0FC	1208	1173	1120	1060	1006	960	725	479	395	338	279
8 OPzV 800	NGA6021010HS0FC	1611	1564	1493	1413	1341	1280	967	639	526	450	372
10 OPzV 1000	NGA6021250HS0FC	2013	1955	1867	1767	1677	1600	1208	798	658	563	465
12 OPzV 1200	NGA6021510HS0FC	2416	2346	2240	2120	2012	1920	1450	958	789	675	558
12 OPzV 1500	NGA6021650HS0FE	2095	2095	2095	2052	2015	1845	1451	1101	873	704	595
16 OPzV 2000	NGA6022200HS0FC	2627	2627	2572	2481	2400	2221	1801	1300	1112	943	800
20 OPzV 2500	NGA6022740HS0FC	3283	3283	3215	3102	3000	2777	2252	1625	1390	1178	1000
24 OPzV 3000	NGA6023300HS0FC	3940	3940	3858	3722	3600	3332	2702	1950	1668	1414	1200

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

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	636	579	521	464	426	372	235	150	123	105	90.4
5 OPzV 250	NGA6020280HS0FC	795	724	651	580	533	465	294	188	154	131	113
6 OPzV 300	NGA6020335HS0FC	954	869	782	696	639	558	353	225	185	158	136
5 OPzV 350	NGA6020415HS0FC	954	915	821	748	710	598	430	276	210	173	143
6 OPzV 420	NGA6020500HS0FC	1145	1098	985	898	852	718	516	331	252	208	172
7 OPzV 490	NGA6020580HS0FC	1336	1281	1149	1047	994	837	602	386	294	242	201
6 OPzV 600	NGA6020750HS0FC	1386	1313	1243	1173	1110	1023	745	495	395	338	280
8 OPzV 800	NGA6021010HS0FC	1848	1751	1657	1564	1480	1364	993	660	527	451	373
10 OPzV 1000	NGA6021250HS0FC	2310	2188	2072	1955	1850	1705	1242	825	658	563	467
12 OPzV 1200	NGA6021510HS0FC	2772	2626	2486	2346	2220	2046	1490	990	790	676	560
12 OPzV 1500	NGA6021650HS0FE	2369	2369	2319	2227	2151	1992	1555	1150	903	726	612
16 OPzV 2000	NGA6022200HS0FC	2872	2811	2707	2629	2547	2408	1915	1373	1137	951	812
20 OPzV 2500	NGA6022740HS0FC	3590	3513	3383	3287	3183	3010	2393	1717	1422	1188	1015
24 OPzV 3000	NGA6023300HS0FC	4308	4216	4060	3944	3820	3612	2872	2060	1706	1426	1218

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

Type acc. to DIN 40 742	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
4 OPzV 200	NGA6020225HS0FC	671	620	588	506	459	381	240	152	124	105	90.4
5 OPzV 250	NGA6020280HS0FC	839	775	735	633	574	476	300	190	155	131	113
6 OPzV 300	NGA6020335HS0FC	1007	930	882	759	689	572	360	228	186	158	136
5 OPzV 350	NGA6020415HS0FC	1017	967	906	790	738	624	436	277	210	173	144
6 OPzV 420	NGA6020500HS0FC	1220	1160	1087	948	886	749	523	332	252	208	173
7 OPzV 490	NGA6020580HS0FC	1424	1354	1268	1106	1033	874	610	388	294	243	201
6 OPzV 600	NGA6020750HS0FC	1469	1442	1387	1272	1183	1048	765	502	395	338	280
8 OPzV 800	NGA6021010HS0FC	1959	1923	1849	1696	1577	1397	1020	669	527	451	374
10 OPzV 1000	NGA6021250HS0FC	2448	2403	2312	2120	1972	1747	1275	837	659	564	467
12 OPzV 1200	NGA6021510HS0FC	2938	2884	2774	2544	2366	2096	1530	1004	791	677	561
12 OPzV 1500	NGA6021650HS0FE	2644	2563	2377	2263	2196	2088	1616	1174	915	736	620
16 OPzV 2000	NGA6022200HS0FC	3259	3120	2800	2733	2667	2543	2005	1387	1141	961	819
20 OPzV 2500	NGA6022740HS0FC	4073	3900	3500	3417	3333	3178	2507	1733	1427	1202	1023
24 OPzV 3000	NGA6023300HS0FC	4888	4680	4200	4100	4000	3814	3008	2080	1712	1442	1228

Battery Service – Energy Solutions

Keeping your Business in Motion

GNB® is the Expert

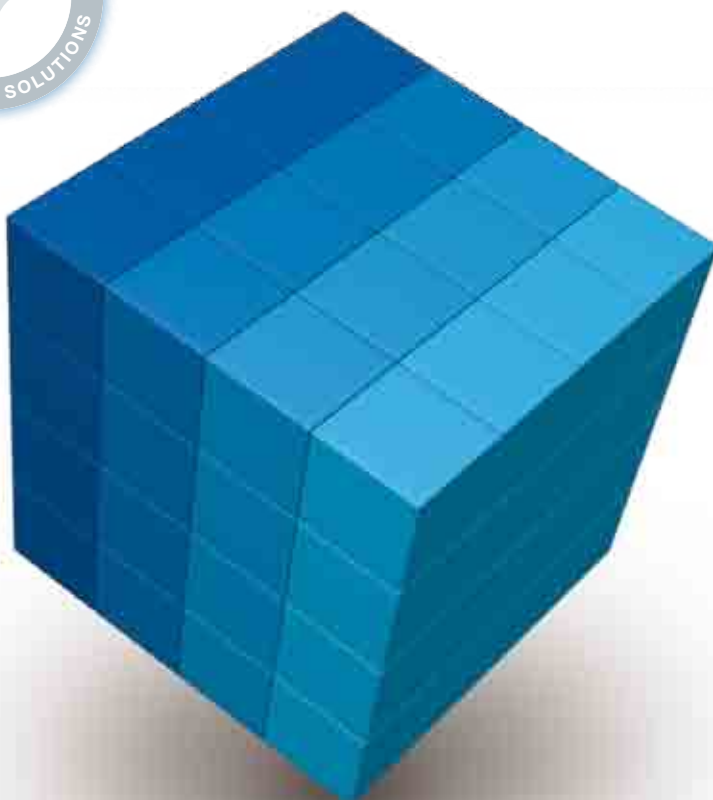
Who could do this job better than the professionals of a company with more than 100 years of experience in battery development, production and application?

Leave the responsibility for the maintenance of your batteries and chargers to the professionals: a GNB service contract provides you with exceptional economic advantages through time savings, cost savings and safety!



Installation of Batteries and Systems for Network Power

- > Development of complete turnkey solutions from the design concept to installation and commissioning.
- > Installation according to legal and safety regulations including CE certification by approved installation technicians.
- > Training and certification of external installation technicians according to CE regulations.



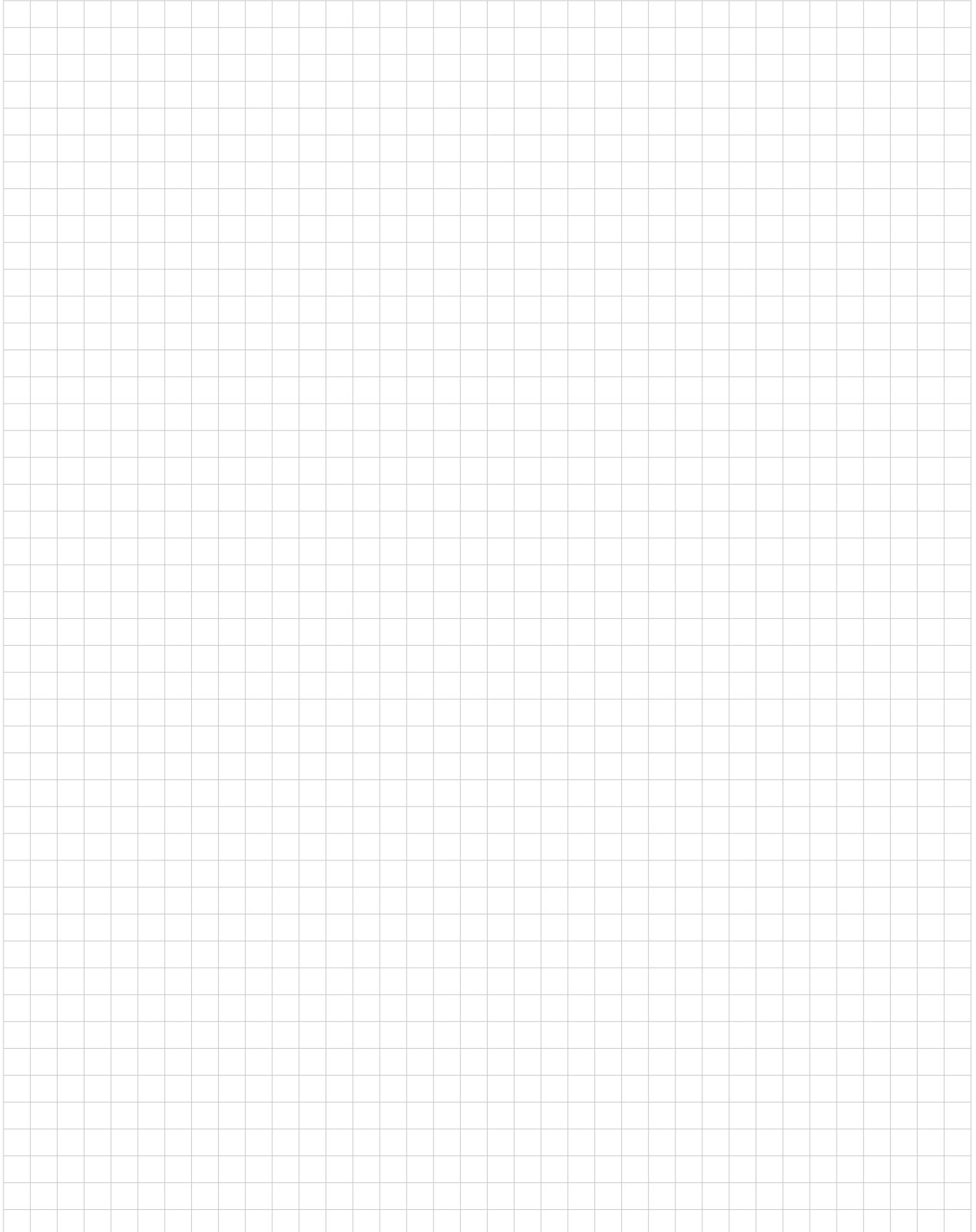
- ✦ Inspection Contract
- ✦ Maintenance Contract
- ✦ Lifetime Warranty Contract
- ✦ Full Service Contract



»GNB Service – individualized, professional and all over Europe!«

Sonnenschein A600

Notes

A large, empty grid area for taking notes, consisting of a uniform pattern of small squares. The grid is approximately 30 columns wide and 60 rows high, providing a structured space for handwritten or typed notes.



Exide Technologies, with operations in more than **80 countries**, is one of the world's largest producers and recyclers of lead-acid batteries. Exide Technologies provides a comprehensive and customized range of stored electrical energy solutions. Based on **over 100 years of experience** in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and transportation applications.

GNB® INDUSTRIAL POWER – A division of Exide Technologies – offers an **extensive range of storage products and services**, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted 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.



»The **next Level** of
Energy Management«

GNB® INDUSTRIAL POWER devises enduring energy concepts that convince with efficiency, flexibility and profitability.