

Gel Sonnenschein Longevity Ultimate

Technical data sheet

A600 cells

Technical features:

- Very low gassing due to internal gas recombination
- Nominal capacity 224-3286 Ah C₁₀
- Design life: 20 years for 2 V cells at 20 °C / 68 °F (80% remaining capacity from C₁₀)
- Available as standard or flame retardant version (UL 94 V-0)
- Long shelf life up to 2 years at 20 °C / 68 °F without recharge due to the very low self discharge rate

Standards & certifications:

- Cells in compliance with DIN 40 742
- Designed in accordance with IEC 60896-21/22
- Manufactured in Europe in our ISO 9001 certified production facilities
- Approval: UL (Underwriters Laboratories, USA), DNV GL (Germanischer Lloyd) and by many telecom organisations worldwide



Design life
20 years



Nominal capacity
224-3286 Ah C₁₀



Block battery/
single cell



Tubular
plate



Recyclable



Valve regulated
lead-acid
batteries



Proof against
deep discharge



Maintenance free
(no topping up)

Technical characteristics and data

Type	Part number	Type acc. to DIN 40 742	Nom. voltage V	Nominal capacity		Length		Width		Height		Weight		Internal resis- tance mOhm	Short circuit current A	Terminal	Pole pairs
				C ₁₀ 1.80 Vpc (20 °C / 68 °F) Ah	C ₁₀ 1.80 Vpc (20 °C / 68 °F) Ah	(l)		(w)		(h)*		approx. lbs	approx. kg				
						max. in	max. mm	max. in	max. mm	max. in	max. mm						
A602/225	NGA6020225HA0FA	4 OPzV 200	2	224	4.13	105	8.19	208	15.71	399	38.36	17.4	0.95	2200	F-M8	1	
A602/280	NGA6020280HA0FA	5 OPzV 250	2	280	4.96	126	8.19	208	15.71	399	48.50	22.0	0.79	2700	F-M8	1	
A602/335	NGA6020335HA0FA	6 OPzV 300	2	337	5.79	147	8.19	208	15.71	399	55.12	25.0	0.61	3350	F-M8	1	
A602/415	NGA6020415HA0FA	5 OPzV 350	2	416	4.96	126	8.19	208	20.28	515	66.14	30.0	0.62	3300	F-M8	1	
A602/500	NGA6020500HA0FA	6 OPzV 420	2	499	5.79	147	8.19	208	20.28	515	77.16	35.0	0.53	3950	F-M8	1	
A602/580	NGA6020580HA0FA	7 OPzV 490	2	582	6.61	168	8.19	208	20.28	515	85.98	39.0	0.47	4400	F-M8	1	
A602/750	NGA6020750HA0FA	6 OPzV 600	2	748	5.79	147	8.19	208	27.17	690	108.03	49.0	0.48	4300	F-M8	1	
A602/1010	NGA6021010HA0FA	8 OPzV 800	2	998	8.35	212	7.59	193	27.17	690	145.51	66.0	0.38	4850	F-M8	2	
A602/1250	NGA6021250HA0FA	10 OPzV 1000	2	1248	8.35	212	9.25	235	27.17	690	176.37	80.0	0.33	6250	F-M8	2	
A602/1510	NGA6021510HA0FA	12 OPzV 1200	2	1497	8.35	212	10.91	277	27.17	690	209.44	95.0	0.29	7850	F-M8	2	
A602/1650C	NGA6021650HA0FA	12 OPzV 1500	2	1643	8.35	212	10.91	277	29.88	759	233.69	106	0.23	9000	F-M8	2	
A602/2200	NGA6022200HA0FA	16 OPzV 2000	2	2190	8.50	216	15.75	400	32.13	816	328.49	149	0.19	10750	F-M8	3	
A602/2740	NGA6022740HA0FA	20 OPzV 2500	2	2738	8.43	214	19.25	489	32.13	816	418.88	190	0.16	13400	F-M8	4	
A602/3300	NGA6023300HA0FA	24 OPzV 3000	2	3286	8.43	214	22.76	578	32.13	816	524.70	238	0.13	16100	F-M8	4	

* Includes installed connector

Manufacturer: by /**MERICAS**
Exide Technologies Energy Solutions GmbH
Branch Office, Odertal 35, 37431 Bad Lauterberg, Germany

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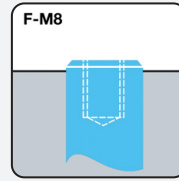
Technical data sheet

A600 cells

Container, terminal and torque

Figures are also valid for UL 94 V-0 version,
Change **H** to **V** in the part number, E.g.:

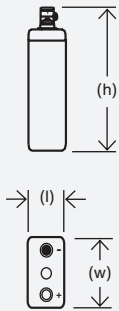
- Standard: NGA6120100 **H** A0FC
- UL 94 V-0: NGA6120100 **V** A0FC



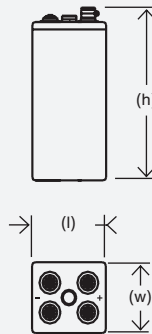
20 Nm / 177 lbf-in

Drawings

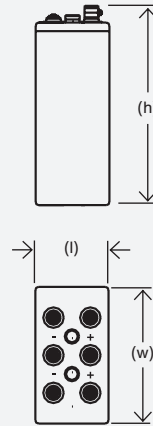
A602/225 -
A602/750



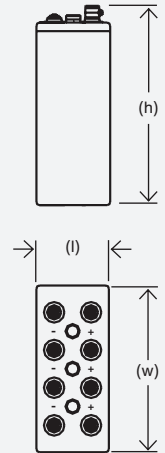
A602/1010 -
A602/1650C



A602/2200



A602/2740 -
A602/3300



Not to scale!

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Gel Sonnenschein Longevity Ultimate

Constant current discharge

A600 cells

Type	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
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1.90 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	144	126	107	76.2	59.6	45.7	31.2	21.4	18.3
A602/280	NGA6020280HA0FA	180	158	134	95.3	74.5	57.1	39.0	26.8	22.9
A602/335	NGA6020335HA0FA	216	189	161	114	89.4	68.6	46.8	32.1	22.5
A602/415	NGA6020415HA0FA	244	231	187	143	112	90.0	65.3	44.8	36.7
A602/500	NGA6020500HA0FA	293	277	224	172	134	108	78.4	53.8	44.0
A602/580	NGA6020580HA0FA	342	323	262	200	157	126	91.4	62.7	51.4
A602/750	NGA6020750HA0FA	270	258	243	214	167	138	102	71.9	60.3
A602/1010	NGA6021010HA0FA	360	344	324	285	223	184	136	95.9	80.4
A602/1250	NGA6021250HA0FA	450	430	405	357	278	230	171	120	101
A602/1510	NGA6021510HA0FA	517	516	486	428	334	276	205	144	121
A602/1650C	NGA6021650HA0FA	518	518	507	420	312	261	205	155	129
A602/2200	NGA6022200HA0FA	691	669	639	581	469	381	284	207	172
A602/2740	NGA6022740HA0FA	863	837	798	727	587	477	355	259	216
A602/3300	NGA6023300HA0FA	1036	1004	958	872	704	572	427	310	259

1.87 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	173	156	124	83.9	64.7	49.5	34.7	24.2	20.5
A602/280	NGA6020280HA0FA	216	195	155	105	80.9	61.9	43.4	30.3	25.6
A602/335	NGA6020335HA0FA	260	234	186	126	97.1	74.3	52.1	36.3	30.8
A602/415	NGA6020415HA0FA	308	284	223	163	119	96.6	69.4	47.8	39.6
A602/500	NGA6020500HA0FA	370	341	268	196	143	116	83.3	57.4	47.5
A602/580	NGA6020580HA0FA	431	398	313	228	167	135	97.2	66.9	55.4
A602/750	NGA6020750HA0FA	340	327	305	248	190	154	113	78.0	64.5
A602/1010	NGA6021010HA0FA	453	436	407	331	253	205	150	104	86.0
A602/1250	NGA6021250HA0FA	567	545	508	413	317	257	188	130	108
A602/1510	NGA6021510HA0FA	623	623	610	496	380	308	226	156	129
A602/1650C	NGA6021650HA0FA	624	624	615	548	380	319	227	167	139
A602/2200	NGA6022200HA0FA	832	817	793	632	520	437	313	223	185
A602/2740	NGA6022740HA0FA	1040	1022	992	790	650	547	391	278	231
A602/3300	NGA6023300HA0FA	1248	1226	1190	948	780	656	469	334	277

1.85 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	194	171	137	90.0	68.1	52.0	36.3	25.2	21.3
A602/280	NGA6020280HA0FA	243	214	171	113	85.1	65.0	45.4	31.5	26.6
A602/335	NGA6020335HA0FA	291	257	206	135	102	78.0	54.5	37.8	32.0
A602/415	NGA6020415HA0FA	332	308	249	176	124	101	71.3	49.1	40.0
A602/500	NGA6020500HA0FA	398	370	299	211	149	121	85.6	58.9	48.5
A602/580	NGA6020580HA0FA	465	431	349	246	174	141	100	68.7	56.6
A602/750	NGA6020750HA0FA	389	368	336	269	202	165	119	82.1	67.6
A602/1010	NGA6021010HA0FA	519	491	448	359	269	220	159	109	90.1
A602/1250	NGA6021250HA0FA	648	613	560	448	337	275	199	137	113
A602/1510	NGA6021510HA0FA	701	701	672	538	404	330	238	164	135
A602/1650C	NGA6021650HA0FA	702	702	683	597	431	339	252	181	150
A602/2200	NGA6022200HA0FA	1031	972	864	680	555	463	335	241	200
A602/2740	NGA6022740HA0FA	1288	1215	1080	850	693	578	419	302	249
A602/3300	NGA6023300HA0FA	1546	1458	1296	1020	832	694	503	362	299

Manufacturer: by /**MERICAS**
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Constant current discharge

A600 cells

Type	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
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1.83 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	209	182	148	97.7	71.4	54.9	38.0	26.2	22.0
A602/280	NGA6020280HA0FA	261	228	185	122	89.3	68.6	47.5	32.8	27.5
A602/335	NGA6020335HA0FA	314	273	222	147	107	82.4	57.0	39.3	33.0
A602/415	NGA6020415HA0FA	350	337	265	187	130	104	72.9	49.8	40.9
A602/500	NGA6020500HA0FA	420	404	318	224	156	125	87.5	59.8	49.1
A602/580	NGA6020580HA0FA	490	472	371	262	182	146	102	69.7	57.3
A602/750	NGA6020750HA0FA	421	404	365	290	216	175	125	86.3	70.4
A602/1010	NGA6021010HA0FA	561	539	487	387	288	233	167	115	93.9
A602/1250	NGA6021250HA0FA	702	673	608	483	360	292	208	144	117
A602/1510	NGA6021510HA0FA	755	755	716	580	432	350	250	173	141
A602/1650C	NGA6021650HA0FA	756	756	717	645	480	374	268	190	157
A602/2200	NGA6022200HA0FA	1123	1077	944	733	589	497	358	254	210
A602/2740	NGA6022740HA0FA	1403	1347	1180	917	737	622	447	317	262
A602/3300	NGA6023300HA0FA	1684	1616	1416	1100	884	746	537	381	314

1.80 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	232	196	162	106	75.6	58.0	39.2	26.6	22.4
A602/280	NGA6020280HA0FA	290	245	203	133	94.5	72.5	49.0	33.3	28.0
A602/335	NGA6020335HA0FA	348	294	243	159	113	87.0	58.8	39.9	33.7
A602/415	NGA6020415HA0FA	397	364	280	201	135	107	75.1	50.8	41.6
A602/500	NGA6020500HA0FA	476	437	336	241	162	128	90.1	61.0	49.9
A602/580	NGA6020580HA0FA	556	510	392	281	189	149	105	71.1	58.2
A602/750	NGA6020750HA0FA	478	458	388	314	228	182	131	90.5	74.8
A602/1010	NGA6021010HA0FA	637	611	517	419	304	243	175	121	99.8
A602/1250	NGA6021250HA0FA	797	763	647	523	380	303	218	151	125
A602/1510	NGA6021510HA0FA	858	858	776	628	456	364	262	181	150
A602/1650C	NGA6021650HA0FA	859	859	808	694	526	410	287	199	164
A602/2200	NGA6022200HA0FA	1279	1197	1076	863	657	531	378	266	219
A602/2740	NGA6022740HA0FA	1598	1497	1345	1078	822	663	473	332	274
A602/3300	NGA6023300HA0FA	1918	1796	1614	1294	986	796	567	399	329

1.75 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	265	229	182	115	79.9	60.3	39.8	27.0	22.6
A602/280	NGA6020280HA0FA	331	286	228	144	100	75.4	49.8	33.8	28.3
A602/335	NGA6020335HA0FA	398	344	273	173	120	90.5	59.7	40.5	33.9
A602/415	NGA6020415HA0FA	423	389	300	215	139	109	76.6	51.8	42.6
A602/500	NGA6020500HA0FA	508	467	360	258	167	131	91.9	62.2	51.1
A602/580	NGA6020580HA0FA	592	545	420	301	195	153	107	72.5	59.6
A602/750	NGA6020750HA0FA	561	534	463	354	240	190	135	92.2	75.9
A602/1010	NGA6021010HA0FA	748	712	617	472	320	253	180	123	101
A602/1250	NGA6021250HA0FA	935	890	772	590	400	317	225	154	127
A602/1510	NGA6021510HA0FA	1048	1048	926	708	480	380	269	184	152
A602/1650C	NGA6021650HA0FA	1049	1049	982	777	585	452	309	209	172
A602/2200	NGA6022200HA0FA	1356	1313	1237	1012	712	567	397	278	229
A602/2740	NGA6022740HA0FA	1695	1642	1547	1265	890	708	496	348	287
A602/3300	NGA6023300HA0FA	2034	1970	1856	1518	1068	850	596	418	344

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Gel Sonnenschein Longevity Ultimate

Constant current discharge

A600 cells

Type	Part number	10 min	15 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
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1.70 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	290	258	201	120	81.6	60.8	40.2	27.3	22.7
A602/280	NGA6020280HA0FA	363	323	251	150	102	76.0	50.3	34.1	28.4
A602/335	NGA6020335HA0FA	435	387	302	180	122	91.2	60.3	41.0	34.1
A602/415	NGA6020415HA0FA	468	425	334	220	142	111	78.2	52.4	43.0
A602/500	NGA6020500HA0FA	562	510	401	264	170	133	93.8	62.9	51.6
A602/580	NGA6020580HA0FA	655	595	468	308	199	155	109	73.4	60.2
A602/750	NGA6020750HA0FA	639	615	527	388	252	195	136	92.7	76.4
A602/1010	NGA6021010HA0FA	852	820	703	517	336	260	181	124	102
A602/1250	NGA6021250HA0FA	1065	1025	878	647	420	325	226	155	127
A602/1510	NGA6021510HA0FA	1267	1230	1054	776	504	390	271	185	153
A602/1650C	NGA6021650HA0FA	1268	1260	1135	903	623	479	322	222	176
A602/2200	NGA6022200HA0FA	1557	1480	1365	1140	753	580	406	285	234
A602/2740	NGA6022740HA0FA	1947	1850	1707	1425	942	725	507	356	293
A602/3300	NGA6023300HA0FA	2336	2220	2048	1710	1130	870	608	427	351

1.65 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	314	278	212	122	82.5	61.0	40.4	27.5	22.8
A602/280	NGA6020280HA0FA	393	348	265	153	103	76.3	50.5	34.4	28.5
A602/335	NGA6020335HA0FA	471	417	318	183	124	91.5	60.6	41.3	34.2
A602/415	NGA6020415HA0FA	488	458	354	230	144	112	79.3	52.8	43.4
A602/500	NGA6020500HA0FA	586	550	425	276	173	134	95.2	63.4	52.1
A602/580	NGA6020580HA0FA	683	641	496	322	202	157	111	73.9	60.8
A602/750	NGA6020750HA0FA	715	696	583	411	255	197	136	93.2	76.8
A602/1010	NGA6021010HA0FA	953	928	777	548	340	262	182	124	102
A602/1250	NGA6021250HA0FA	1192	1160	972	685	425	328	227	155	128
A602/1510	NGA6021510HA0FA	1430	1392	1166	822	510	394	272	186	154
A602/1650C	NGA6021650HA0FA	1463	1446	1249	960	645	491	328	225	178
A602/2200	NGA6022200HA0FA	1760	1608	1476	1208	777	596	413	289	238
A602/2740	NGA6022740HA0FA	2200	2010	1845	1510	972	745	516	361	297
A602/3300	NGA6023300HA0FA	2640	2412	2214	1812	1166	894	619	433	356

1.60 Vpc – Discharge in A at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	326	300	222	123	82.8	61.2	40.6	27.6	22.9
A602/280	NGA6020280HA0FA	408	375	278	154	104	76.5	50.8	34.5	28.6
A602/335	NGA6020335HA0FA	489	450	333	185	124	91.8	60.9	41.4	34.4
A602/415	NGA6020415HA0FA	500	478	382	238	146	113	80.2	53.2	43.8
A602/500	NGA6020500HA0FA	600	574	458	286	175	136	96.2	63.8	52.6
A602/580	NGA6020580HA0FA	700	669	535	333	204	158	112	74.5	61.3
A602/750	NGA6020750HA0FA	786	767	632	429	260	198	137	93.6	77.2
A602/1010	NGA6021010HA0FA	1048	1023	843	572	347	264	182	125	103
A602/1250	NGA6021250HA0FA	1310	1278	1053	715	433	330	228	156	129
A602/1510	NGA6021510HA0FA	1572	1534	1264	858	520	396	273	187	154
A602/1650C	NGA6021650HA0FA	1604	1480	1295	992	662	497	332	226	180
A602/2200	NGA6022200HA0FA	2059	1872	1664	1267	807	607	417	292	240
A602/2740	NGA6022740HA0FA	2573	2340	2080	1583	1008	758	522	365	300
A602/3300	NGA6023300HA0FA	3088	2808	2496	1900	1210	910	626	438	360

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Gel Sonnenschein Longevity Ultimate

Constant power discharge

A600 cells

Type	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
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1.90 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	265	258	248	236	219	197	158	122	101	83.2	69.6
A602/280	NGA6020280HA0FA	331	323	310	295	274	246	198	153	126	104	87.0
A602/335	NGA6020335HA0FA	398	387	372	354	329	296	237	183	152	125	104
A602/415	NGA6020415HA0FA	481	473	463	410	384	343	273	205	158	130	111
A602/500	NGA6020500HA0FA	577	568	556	492	461	412	328	246	190	156	133
A602/580	NGA6020580HA0FA	673	662	648	574	538	480	382	287	221	182	155
A602/750	NGA6020750HA0FA	743	683	588	535	513	495	436	357	294	248	211
A602/1010	NGA6021010HA0FA	991	911	784	713	684	660	581	476	392	331	281
A602/1250	NGA6021250HA0FA	1019	1019	980	892	855	825	727	595	490	413	352
A602/1510	NGA6021510HA0FA	1020	1020	1020	1020	1020	990	872	714	588	496	422
A602/1650C	NGA6021650HA0FA	1021	1021	1021	1021	1021	1021	765	598	513	461	415
A602/2200	NGA6022200HA0FA	1411	1399	1373	1344	1323	1287	1152	908	732	596	511
A602/2740	NGA6022740HA0FA	1763	1748	1717	1680	1653	1608	1440	1135	915	745	638
A602/3300	NGA6023300HA0FA	2116	2098	2060	2016	1984	1930	1728	1362	1098	894	766

1.87 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	315	300	289	270	255	229	172	130	107	90.4	76.9
A602/280	NGA6020280HA0FA	394	375	361	338	319	286	215	163	134	113	96.1
A602/335	NGA6020335HA0FA	473	450	434	405	383	344	258	195	161	136	115
A602/415	NGA6020415HA0FA	534	509	485	445	418	375	302	223	180	146	121
A602/500	NGA6020500HA0FA	641	611	582	534	502	450	362	268	216	175	145
A602/580	NGA6020580HA0FA	748	713	679	623	585	525	423	312	252	204	169
A602/750	NGA6020750HA0FA	772	757	712	648	636	592	495	395	328	276	229
A602/1010	NGA6021010HA0FA	1029	1009	949	864	848	789	660	527	437	368	305
A602/1250	NGA6021250HA0FA	1161	1161	1161	1080	1060	987	825	658	547	460	382
A602/1510	NGA6021510HA0FA	1162	1162	1162	1162	1162	1162	990	790	656	552	458
A602/1650C	NGA6021650HA0FA	1163	1163	1163	1163	1163	1163	997	769	632	523	442
A602/2200	NGA6022200HA0FA	1523	1507	1467	1423	1396	1357	1251	1025	843	697	589
A602/2740	NGA6022740HA0FA	1903	1883	1833	1778	1745	1697	1563	1282	1053	872	737
A602/3300	NGA6023300HA0FA	2284	2260	2200	2134	2094	2036	1876	1538	1264	1046	884

1.85 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	343	326	305	290	270	246	181	134	111	94.6	80.0
A602/280	NGA6020280HA0FA	429	408	381	363	338	308	226	168	139	118	100
A602/335	NGA6020335HA0FA	515	489	458	435	405	369	272	201	167	142	120
A602/415	NGA6020415HA0FA	612	569	528	489	457	401	323	234	188	153	128
A602/500	NGA6020500HA0FA	734	683	634	587	548	481	388	281	226	184	154
A602/580	NGA6020580HA0FA	857	797	739	685	640	561	452	328	263	214	179
A602/750	NGA6020750HA0FA	798	772	748	696	686	643	523	410	343	288	240
A602/1010	NGA6021010HA0FA	1064	1029	997	928	915	857	697	547	457	384	320
A602/1250	NGA6021250HA0FA	1264	1264	1247	1160	1143	1072	872	683	572	480	400
A602/1510	NGA6021510HA0FA	1265	1265	1265	1265	1265	1238	1046	820	686	576	480
A602/1650C	NGA6021650HA0FA	1266	1266	1266	1266	1266	1239	1102	797	635	539	484
A602/2200	NGA6022200HA0FA	1673	1653	1587	1520	1467	1403	1301	1101	916	757	639
A602/2740	NGA6022740HA0FA	2092	2067	1983	1900	1833	1753	1627	1377	1145	947	798
A602/3300	NGA6023300HA0FA	2510	2480	2380	2280	2200	2104	1952	1652	1374	1136	958

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Gel Sonnenschein Longevity Ultimate

Constant power discharge

A600 cells

Type	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
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1.83 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	357	342	331	305	290	265	189	137	114	96.7	82.1
A602/280	NGA6020280HA0FA	446	428	414	381	363	331	236	171	143	121	103
A602/335	NGA6020335HA0FA	536	513	497	458	435	398	284	206	171	145	123
A602/415	NGA6020415HA0FA	636	603	561	520	491	431	341	242	196	159	134
A602/500	NGA6020500HA0FA	763	724	673	624	589	517	409	290	235	191	161
A602/580	NGA6020580HA0FA	890	844	785	728	687	603	477	339	274	223	188
A602/750	NGA6020750HA0FA	856	819	790	748	732	698	550	424	357	300	249
A602/1010	NGA6021010HA0FA	1141	1092	1053	997	976	931	733	565	476	400	332
A602/1250	NGA6021250HA0FA	1374	1365	1317	1247	1220	1163	917	707	595	500	415
A602/1510	NGA6021510HA0FA	1375	1375	1375	1360	1359	1316	1100	848	714	600	498
A602/1650C	NGA6021650HA0FA	1376	1376	1376	1361	1360	1317	1163	868	680	572	511
A602/2200	NGA6022200HA0FA	1897	1867	1840	1717	1673	1517	1376	1149	965	807	681
A602/2740	NGA6022740HA0FA	2372	2333	2300	2147	2092	1897	1720	1437	1207	1008	852
A602/3300	NGA6023300HA0FA	2846	2800	2760	2576	2510	2276	2064	1724	1448	1210	1022

1.80 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	393	367	358	335	309	283	199	140	117	100	84.2
A602/280	NGA6020280HA0FA	491	459	448	419	386	354	249	175	146	125	105
A602/335	NGA6020335HA0FA	590	551	537	503	464	425	299	210	176	150	126
A602/415	NGA6020415HA0FA	710	669	603	572	540	480	368	252	201	166	140
A602/500	NGA6020500HA0FA	852	803	724	686	648	576	442	302	241	199	168
A602/580	NGA6020580HA0FA	994	937	844	801	756	672	515	353	281	232	196
A602/750	NGA6020750HA0FA	964	939	888	833	810	782	597	439	372	314	263
A602/1010	NGA6021010HA0FA	1285	1252	1184	1111	1080	1043	796	585	496	419	351
A602/1250	NGA6021250HA0FA	1539	1539	1480	1388	1350	1303	995	732	620	523	438
A602/1510	NGA6021510HA0FA	1540	1540	1540	1540	1540	1441	1189	878	744	628	526
A602/1650C	NGA6021650HA0FA	1541	1541	1541	1541	1541	1442	1190	961	746	619	538
A602/2200	NGA6022200HA0FA	2171	2133	2072	1961	1903	1765	1541	1209	1024	867	728
A602/2740	NGA6022740HA0FA	2713	2667	2590	2452	2378	2207	1927	1512	1280	1083	910
A602/3300	NGA6023300HA0FA	3256	3200	3108	2942	2854	2648	2312	1814	1536	1300	1092

1.75 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	454	442	410	390	352	312	211	144	121	102	87.3
A602/280	NGA6020280HA0FA	568	553	513	488	440	390	264	180	151	128	109
A602/335	NGA6020335HA0FA	681	663	615	585	528	468	317	216	182	153	131
A602/415	NGA6020415HA0FA	764	743	676	624	600	526	398	265	206	171	143
A602/500	NGA6020500HA0FA	917	892	811	749	720	631	478	318	247	205	171
A602/580	NGA6020580HA0FA	1070	1040	946	874	840	736	557	371	288	239	200
A602/750	NGA6020750HA0FA	1069	1048	1007	955	918	880	670	457	386	329	275
A602/1010	NGA6021010HA0FA	1425	1397	1343	1273	1224	1173	893	609	515	439	367
A602/1250	NGA6021250HA0FA	1782	1747	1678	1592	1530	1467	1117	762	643	548	458
A602/1510	NGA6021510HA0FA	1817	1817	1817	1817	1817	1736	1340	914	772	658	550
A602/1650C	NGA6021650HA0FA	1818	1818	1818	1818	1818	1737	1341	1046	827	671	582
A602/2200	NGA6022200HA0FA	2479	2459	2401	2224	2120	1985	1684	1268	1088	919	776
A602/2740	NGA6022740HA0FA	3098	3073	3002	2780	2650	2482	2105	1585	1360	1148	970
A602/3300	NGA6023300HA0FA	3718	3688	3602	3336	3180	2978	2526	1902	1632	1378	1164

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Gel Sonnenschein Longevity Ultimate

Constant power discharge

A600 cells

Type	Part number	3 min	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	4 h	5 h
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1.70 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	539	504	454	430	390	346	225	146	122	104	88.9
A602/280	NGA6020280HA0FA	674	630	568	538	488	433	281	183	153	130	111
A602/335	NGA6020335HA0FA	809	756	681	645	585	519	338	219	183	156	133
A602/415	NGA6020415HA0FA	849	811	764	696	650	573	421	275	209	173	143
A602/500	NGA6020500HA0FA	1019	973	917	835	780	688	505	330	251	207	172
A602/580	NGA6020580HA0FA	1189	1135	1070	974	910	802	589	385	293	242	200
A602/750	NGA6020750HA0FA	1208	1173	1120	1060	1006	960	725	479	395	338	279
A602/1010	NGA6021010HA0FA	1611	1564	1493	1413	1341	1280	967	639	526	450	372
A602/1250	NGA6021250HA0FA	2013	1955	1867	1767	1677	1600	1208	798	658	563	465
A602/1510	NGA6021510HA0FA	2094	2094	2094	2051	2014	1844	1450	958	789	675	558
A602/1650C	NGA6021650HA0FA	2095	2095	2095	2052	2015	1845	1451	1101	873	704	595
A602/2200	NGA6022200HA0FA	2627	2627	2572	2481	2400	2221	1801	1300	1112	943	800
A602/2740	NGA6022740HA0FA	3283	3283	3215	3102	3000	2777	2252	1625	1390	1178	1000
A602/3300	NGA6023300HA0FA	3940	3940	3858	3722	3600	3332	2702	1950	1668	1414	1200

1.65 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	636	579	521	464	426	372	235	150	123	105	90.4
A602/280	NGA6020280HA0FA	795	724	651	580	533	465	294	188	154	131	113
A602/335	NGA6020335HA0FA	954	869	782	696	639	558	353	225	185	158	136
A602/415	NGA6020415HA0FA	954	915	821	748	710	598	430	276	210	173	143
A602/500	NGA6020500HA0FA	1145	1098	985	898	852	718	516	331	252	208	172
A602/580	NGA6020580HA0FA	1336	1281	1149	1047	994	837	602	386	294	242	201
A602/750	NGA6020750HA0FA	1386	1313	1243	1173	1110	1023	745	495	395	338	280
A602/1010	NGA6021010HA0FA	1848	1751	1657	1564	1480	1364	993	660	527	451	373
A602/1250	NGA6021250HA0FA	2310	2188	2072	1955	1850	1705	1242	825	658	563	467
A602/1510	NGA6021510HA0FA	2368	2368	2318	2226	2151	1991	1490	990	790	676	560
A602/1650C	NGA6021650HA0FA	2369	2369	2319	2227	2151	1992	1555	1150	903	726	612
A602/2200	NGA6022200HA0FA	2872	2811	2707	2629	2547	2408	1915	1373	1137	951	812
A602/2740	NGA6022740HA0FA	3590	3513	3383	3287	3183	3010	2393	1717	1422	1188	1015
A602/3300	NGA6023300HA0FA	4308	4216	4060	3944	3820	3612	2872	2060	1706	1426	1218

1.60 Vpc – Discharge in W/cell at 20 °C / 68 °F

A602/225	NGA6020225HA0FA	671	620	588	506	459	381	240	152	124	105	90.4
A602/280	NGA6020280HA0FA	839	775	735	633	574	476	300	190	155	131	113
A602/335	NGA6020335HA0FA	1007	930	882	759	689	572	360	228	186	158	136
A602/415	NGA6020415HA0FA	1017	967	906	790	738	624	436	277	210	173	144
A602/500	NGA6020500HA0FA	1220	1160	1087	948	886	749	523	332	252	208	173
A602/580	NGA6020580HA0FA	1424	1354	1268	1106	1033	874	610	388	294	243	201
A602/750	NGA6020750HA0FA	1469	1442	1387	1272	1183	1048	765	502	395	338	280
A602/1010	NGA6021010HA0FA	1959	1923	1849	1696	1577	1397	1020	669	527	451	374
A602/1250	NGA6021250HA0FA	2448	2403	2312	2120	1972	1747	1275	837	659	564	467
A602/1510	NGA6021510HA0FA	2643	2562	2376	2262	2195	2087	1530	1004	791	677	561
A602/1650C	NGA6021650HA0FA	2644	2563	2377	2263	2196	2088	1616	1174	915	736	620
A602/2200	NGA6022200HA0FA	3259	3120	2800	2733	2667	2543	2005	1387	1141	961	819
A602/2740	NGA6022740HA0FA	4073	3900	3500	3417	3333	3178	2507	1733	1427	1202	1023
A602/3300	NGA6023300HA0FA	4888	4680	4200	4100	4000	3814	3008	2080	1712	1442	1228

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Subject to alterations

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