

Gel Sonnenschein Longevity Premium

Technical data sheet

A600 blocks

Technical features:

- Very low gassing due to internal gas recombination
- Nominal capacity 100-300 Ah C₁₀
- Design life: 15 years for 6/12 V 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:

- Blocks in compliance with DIN 40 744
- Designed in accordance with IEC 60896-21/22
- Manufactured in Europe in our ISO 9001 certified production facilities



Design life
15 years



Nominal capacity
100-300 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 40 744	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						
A606/200	NGA6060200HA0FC	6V 4 OPzV 200	6	200	10.71	272	8.11	206	13.66	347	100.75	45.7	2.71	1707	F-M8	1	
A606/300	NGA6060300HA0FC	6V 6 OPzV 300	6	300	14.96	380	8.11	206	13.66	347	144.18	65.4	1.90	2614	F-M8	1	
A612/100	NGA6120100HA0FC	12V 2 OPzV 100	12	100	10.71	272	8.11	206	13.66	347	101.85	46.2	9.68	1934	F-M8	1	
A612/150	NGA6120150HA0FC	12V 3 OPzV 150	12	150	14.96	380	8.11	206	13.66	347	147.49	66.9	6.43	2896	F-M8	1	

* Includes installed connector

Manufacturer: by /**MERICAS**
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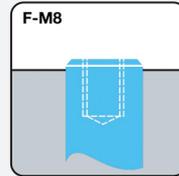
Technical data sheet

A600 blocks

Container, terminal and torque

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

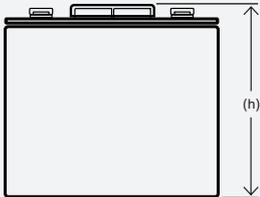
- Standard: NGA6120100 **H** A0FC
- UL 94 V-0: NGA6120100 **V** A0FC



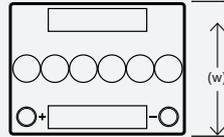
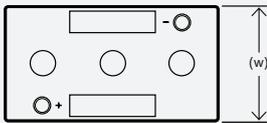
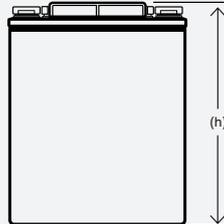
12 Nm / 106 lbf·in

Drawings

A606/200 -
A606/300



A612/100 -
A612/150



Not to scale!

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Constant current discharge

A600 blocks

Type	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
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1.87 Vpc – Discharge in A at 20 °C / 68 °F

A606/200	NGA6060200HA0FC	171	157	145	120	89.1	59.3	45.1	36.8	31.3	22.0	18.6
A606/300	NGA6060300HA0FC	252	233	217	181	136	91.2	69.2	56.2	47.6	33.1	27.8
A612/100	NGA6120100HA0FC	95.3	87.6	81.0	66.0	47.7	30.9	23.2	18.8	15.9	11.1	9.30
A612/150	NGA6120150HA0FC	143	132	122	99.8	71.5	45.9	34.4	27.9	23.6	16.6	14.0

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

A606/200	NGA6060200HA0FC	205	187	172	139	100	64.8	48.6	39.3	33.3	23.2	19.5
A606/300	NGA6060300HA0FC	298	273	253	208	153	99.9	74.8	60.2	50.7	35.0	29.2
A612/100	NGA6120100HA0FC	113	103	95.2	76.3	53.5	33.6	24.9	20.0	16.9	11.7	9.80
A612/150	NGA6120150HA0FC	171	157	145	115	80.1	49.7	36.8	29.6	25.0	17.4	14.7

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

A606/200	NGA6060200HA0FC	231	209	192	152	107	67.9	50.5	40.7	34.3	23.8	20.0
A606/300	NGA6060300HA0FC	332	303	280	228	164	105	78.0	62.5	52.4	36.0	30.0
A612/100	NGA6120100HA0FC	126	115	105	83.4	57.0	34.9	25.6	20.5	17.3	11.9	10.0
A612/150	NGA6120150HA0FC	192	176	161	126	85.1	51.7	38.0	30.5	25.7	17.9	15.0

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

A606/200	NGA6060200HA0FC	274	246	223	172	116	71.5	52.7	42.2	35.5	24.5	20.5
A606/300	NGA6060300HA0FC	389	353	324	258	180	111	81.8	65.1	54.4	37.1	30.9
A612/100	NGA6120100HA0FC	148	134	122	93.6	60.7	36.0	26.2	21.0	17.6	12.1	10.2
A612/150	NGA6120150HA0FC	227	207	188	142	90.9	53.7	39.1	31.3	26.3	18.2	15.3

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

A606/200	NGA6060200HA0FC	317	281	251	187	122	73.6	53.9	43.0	36.1	24.9	20.8
A606/300	NGA6060300HA0FC	447	402	366	284	191	115	84.1	66.6	55.5	37.7	31.3
A612/100	NGA6120100HA0FC	171	153	138	101	62.5	36.4	26.5	21.1	17.7	12.2	10.2
A612/150	NGA6120150HA0FC	262	236	212	153	94.2	54.6	39.7	31.6	26.6	18.4	15.5

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

A606/200	NGA6060200HA0FC	359	313	276	198	126	74.8	54.5	43.5	36.4	25.1	20.9
A606/300	NGA6060300HA0FC	504	449	405	305	199	118	85.4	67.5	56.1	38.0	31.6
A612/100	NGA6120100HA0FC	193	172	152	105	63.1	36.6	26.5	21.1	17.7	12.2	10.2
A612/150	NGA6120150HA0FC	297	265	234	161	95.8	55.1	39.9	31.8	26.7	18.5	15.5

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

A606/200	NGA6060200HA0FC	399	343	297	206	128	75.5	54.9	43.7	36.6	25.2	21.0
A606/300	NGA6060300HA0FC	560	494	439	320	203	119	86.1	67.9	56.5	38.2	31.7
A612/100	NGA6120100HA0FC	215	188	163	107	63.3	36.6	26.6	21.2	17.8	12.2	10.2
A612/150	NGA6120150HA0FC	331	292	253	165	96.6	55.3	40.0	31.9	26.8	18.5	15.6

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Constant power discharge

A600 blocks

Type	Part number	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
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1.87 Vpc – Discharge in W/block at 20 °C / 68 °F

A606/200	NGA6060200HA0FC	999	915	774	654	468	324	247	201	171	118	98.0
A606/300	NGA6060300HA0FC	1500	1341	1206	918	687	480	372	300	256	177	147
A612/100	NGA6120100HA0FC	1092	978	858	726	490	329	247	200	170	118	98.0
A612/150	NGA6120150HA0FC	1566	1422	1218	1032	720	491	370	301	255	177	146

1.83 Vpc – Discharge in W/block at 20 °C / 68 °F

A606/200	NGA6060200HA0FC	1131	999	900	729	516	342	261	211	179	124	102
A606/300	NGA6060300HA0FC	1551	1374	1227	1056	756	507	393	315	268	183	153
A612/100	NGA6120100HA0FC	1236	1068	984	792	536	347	261	211	179	124	101
A612/150	NGA6120150HA0FC	1788	1554	1398	1146	786	517	392	316	268	187	153

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

A606/200	NGA6060200HA0FC	1254	1098	993	816	567	363	277	220	185	128	106
A606/300	NGA6060300HA0FC	1704	1533	1368	1188	831	537	414	330	277	192	159
A612/100	NGA6120100HA0FC	1368	1188	1062	834	587	364	276	215	185	127	106
A612/150	NGA6120150HA0FC	1968	1716	1548	1212	864	542	415	329	277	191	159

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

A606/200	NGA6060200HA0FC	1335	1206	999	834	597	372	280	224	189	129	106
A606/300	NGA6060300HA0FC	1827	1695	1383	1221	882	549	420	333	284	193	159
A612/100	NGA6120100HA0FC	1470	1314	1122	894	618	377	280	223	188	128	106
A612/150	NGA6120150HA0FC	2112	1902	1578	1296	912	562	419	335	283	193	159

1.70 Vpc – Discharge in W/block at 20 °C / 68 °F

A606/200	NGA6060200HA0FC	1428	1314	1170	918	627	390	284	225	190	129	106
A606/300	NGA6060300HA0FC	2037	1854	1650	1347	921	582	426	336	284	193	159
A612/100	NGA6120100HA0FC	1560	1422	1290	972	648	400	284	226	190	129	106
A612/150	NGA6120150HA0FC	2262	2058	1848	1410	948	593	427	339	285	193	159

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

A606/200	NGA6060200HA0FC	1575	1386	1230	933	627	390	284	225	190	129	106
A606/300	NGA6060300HA0FC	2211	1974	1743	1368	921	582	426	336	284	193	159
A612/100	NGA6120100HA0FC	1686	1512	1344	990	648	400	284	226	190	129	106
A612/150	NGA6120150HA0FC	2454	2196	1944	1422	948	593	427	339	285	193	159

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