

Sonnenschein A600 cells / A602/2740 V0

INDUSTRIAL BATTERIES / NETWORK POWER

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

Part Number: NGA6022740VS0FA



APPLICATIONS



SPECIFICATIONS

- Very low gassing due to internal gas recombination
- 20 years design life at 20°C ambient temperature (80% remaining capacity from C₁₀)
- Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- Available as standard or flame retardant version (UL 94-V0)
- 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
20 years



Single cell



Tubular plate



Recyclable



Valve
regulated
lead-acid
batteries



Proof
against deep
discharge



Maintenance
free (no
topping up)



RECYCLE WITH EXIDE.

Exide Technologies takes pride in its commitment to a better environment. 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.



For more information please
[contact your local dealer](#)

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	2 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 3500W/Bloc CC 10h 1,8V/C 20°C 2738Ah
Short circuit current	13400 A (IEC60896-21/22)
Internal resistance	0,16 mΩ (IEC60896-21/22)

Terminal	4 x F M8
Terminal Torque	20 Nm
Container	UL 94-V0 (ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	214 x 489 x 816 mm
Weight	190 kg
Origin	Bad Lauterberg, Germany

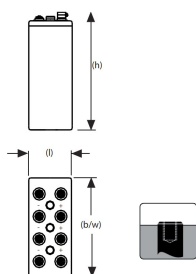
CONSTANT POWER DISCHARGE

W @ 20 °C	3m	5m	10m	15m	20m	30m	45m	1h	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h	15h	20h	40h	60h	80h	120h
1,900 V/C	1763	1748	1717	1680	1653	1608	1500	1440	1278	1135	915	745	638	566	507	463	429	403	318	267	146	101	77,3	53,8
1,870 V/C	1903	1883	1833	1778	1745	1697	1633	1563	1417	1282	1053	872	737	638	565	512	473	436	336	285	154	106	80,7	55,5
1,850 V/C	2092	2067	1983	1900	1833	1753	1722	1627	1497	1377	1145	947	798	698	615	552	502	465	351	293	159	109	83,1	57,1
1,830 V/C	2372	2333	2300	2147	2092	1897	1812	1720	1575	1437	1207	1008	852	735	646	580	529	488	364	302	163	112	85,6	58,9
1,800 V/C	2713	2667	2590	2452	2378	2207	2095	1927	1682	1512	1280	1083	910	785	689	616	561	514	380	312	169	115	88,2	60,7
1,750 V/C	3098	3073	3002	2780	2650	2482	2355	2105	1805	1585	1360	1148	970	828	722	643	583	533	388	315	170	117	89,2	61,3
1,700 V/C	3283	3283	3215	3102	3000	2777	2555	2252	1893	1625	1390	1178	1000	852	743	661	597	546	395	319	173	118	90,4	62,1
1,650 V/C	3590	3513	3383	3287	3183	3010	2717	2393	2000	1717	1422	1188	1015	862	751	669	605	554	400	322	174	119	91,2	62,7
1,600 V/C	4073	3900	3500	3417	3333	3178	2833	2507	2057	1733	1427	1202	1023	868	757	674	610	558	402	324	175	120	91,8	63,1

CONSTANT CURRENT DISCHARGE

A @ 20 °C	3m	5m	10m	15m	30m	45m	1h	90m	2h	3h	4h	5h	6h	7h	8h	9h	10h	13h	17h	20h	40h	60h	80h	120h
1,900 V/C	863	863	863	837	798	767	727	653	587	477	407	355	313	282	259	236	216	173	140	122	66,8	46,3	35,9	25,2
1,870 V/C	1040	1040	1040	1022	992	887	790	718	650	547	457	391	341	306	278	253	231	187	151	133	73,3	50,7	38,8	27
1,850 V/C	1288	1288	1288	1215	1080	950	850	767	693	578	483	419	368	331	302	273	249	200	159	139	75,6	52,3	40,2	27,8
1,830 V/C	1403	1403	1403	1347	1180	1021	917	820	737	622	518	447	392	350	317	287	262	209	166	144	77,8	53,9	41,4	28,6
1,800 V/C	1598	1598	1598	1497	1345	1198	1078	927	822	663	550	473	413	369	332	301	274	216	171	149	80,1	55,4	42,4	29,2
1,750 V/C	1695	1695	1695	1642	1547	1381	1265	1053	890	708	581	496	433	386	348	314	287	227	178	154	82,2	56,5	43,3	29,9
1,700 V/C	1947	1947	1947	1850	1707	1568	1425	1132	942	725	594	507	442	395	356	321	293	232	182	158	83,3	57	43,8	30,2
1,650 V/C	2200	2200	2200	2010	1845	1698	1510	1180	972	745	605	516	450	401	361	326	297	234	184	159	83,5	57,3	44	30,3
1,600 V/C	2573	2573	2573	2340	2080	1840	1583	1223	1008	758	615	522	454	405	365	330	300	237	186	160	83,5	57,3	44,1	30,3

Technical drawing



Cycle life vs. DOD

