

Sonnenschein A600 cells / A602/3300

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: NGA6023300HS0FA

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 4200W/Bloc CC 10h 1,8V/C 20°C 3286Ah
Short circuit current	16100 A (IEC60896-21/22)
Internal resistance	0,1 mΩ (IEC60896-21/22)

Terminal	4 x F M8
Terminal Torque	20 Nm
Container	UL 94 HB (ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	214 x 578 x 816 mm
Weight	238 kg
Origin	Bad Lauterberg, Germany

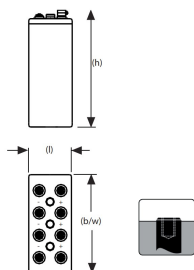
CONSTANT POWER DISCHARGE

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	2116	2098	2060	2016	1984	1930	1800	1728	1534	1362	1098	894	766	679	609	555	515	483	381	321	175	121	92,8	64,5
1,870 V/C	2284	2260	2200	2134	2094	2036	1960	1876	1700	1538	1264	1046	884	766	678	614	568	523	403	342	185	127	96,8	66,6
1,850 V/C	2510	2480	2380	2280	2200	2104	2066	1952	1796	1652	1374	1136	958	837	737	662	602	558	421	352	190	130	99,7	68,5
1,830 V/C	2846	2800	2760	2576	2510	2276	2174	2064	1890	1724	1448	1210	1022	882	775	696	635	585	437	363	196	134	103	70,6
1,800 V/C	3256	3200	3108	2942	2854	2648	2514	2312	2018	1814	1536	1300	1092	942	827	739	673	617	456	374	202	139	106	72,8
1,750 V/C	3718	3688	3602	3336	3180	2978	2826	2526	2166	1902	1632	1378	1164	994	866	771	700	640	466	378	204	140	107	73,6
1,700 V/C	3940	3940	3858	3722	3600	3332	3066	2702	2272	1950	1668	1414	1200	1022	892	793	717	655	474	383	207	142	108	74,6
1,650 V/C	4308	4216	4060	3944	3820	3612	3260	2872	2400	2060	1706	1426	1218	1034	901	802	726	665	479	387	209	143	109	75,3
1,600 V/C	4888	4680	4200	4100	4000	3814	3400	3008	2468	2080	1712	1442	1228	1042	909	808	732	670	483	389	210	144	110	75,7

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	1036	1036	1036	1004	958	920	872	784	704	572	489	427	376	338	310	283	259	208	167	147	80,2	55,6	43,1	30,2
1,870 V/C	1248	1248	1248	1226	1190	1065	948	862	780	656	548	469	410	367	334	303	277	224	182	159	87,9	60,8	46,6	32,4
1,850 V/C	1546	1546	1546	1458	1296	1140	1020	920	832	694	580	503	442	397	362	328	299	240	191	167	90,7	62,8	48,2	33,3
1,830 V/C	1684	1684	1684	1616	1416	1225	1100	984	884	746	622	537	471	420	381	345	314	251	199	173	93,3	64,7	49,6	34,3
1,800 V/C	1918	1918	1918	1796	1614	1437	1294	1112	986	796	660	567	496	442	399	361	329	259	205	179	96,2	66,4	50,9	35,1
1,750 V/C	2034	2034	2034	1970	1856	1657	1518	1264	1068	850	697	596	520	463	418	377	344	273	214	185	98,6	67,7	52	35,9
1,700 V/C	2336	2336	2336	2220	2048	1881	1710	1358	1130	870	713	608	530	474	427	385	351	278	218	189	100	68,4	52,5	36,2
1,650 V/C	2640	2640	2640	2412	2214	2038	1812	1416	1166	894	726	619	539	481	433	391	356	281	221	190	100	68,7	52,8	36,4
1,600 V/C	3088	3088	3088	2808	2496	2208	1900	1468	1210	910	738	626	545	486	438	395	360	284	223	192	100	68,7	52,9	36,4

Technical drawing



Cycle life vs. DOD

