

Sonnenschein A600 cells / A602/580

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: NGA6020580HS0FA

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 1268W/Bloc CC 10h 1,8V/C 20°C 582Ah
Short circuit current	4400 A (IEC60896-21/22)
Internal resistance	0,47 mΩ (IEC60896-21/22)

Terminal	F M8
Terminal Torque	20 Nm
Container	UL 94 HB (PP or ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	168 x 208 x 515 mm
Weight	39 kg
Origin	Bad Lauterberg, Germany

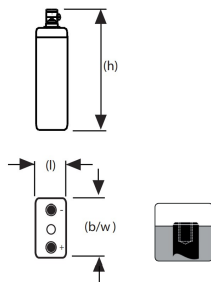
CONSTANT POWER DISCHARGE

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	673	662	648	574	538	480	420	382	333	287	221	182	155	136	122	111	102	94,4	71,8	60,5	32,7	22,4	17,1	11,8
1,870 V/C	748	713	679	623	585	525	462	423	361	312	252	204	169	146	130	117	107	98,8	74,6	62,3	33,7	23,1	17,6	12,1
1,850 V/C	857	797	739	685	640	561	493	452	378	328	263	214	179	155	137	123	112	103	76,9	63,8	34,5	23,6	18,1	12,4
1,830 V/C	890	844	785	728	687	603	525	477	392	339	274	223	188	161	142	127	116	107	79,1	65,1	35,2	24,1	18,4	12,7
1,800 V/C	994	937	844	801	756	672	578	515	413	353	281	232	196	167	146	131	119	110	80,9	66,6	36	24,7	18,9	13
1,750 V/C	1070	1040	946	874	840	736	629	557	441	371	288	239	200	171	150	134	121	112	82,2	67,8	36,6	25,1	19,2	13,2
1,700 V/C	1189	1135	1070	974	910	802	680	589	456	385	293	242	200	171	150	134	122	112	82,5	68	36,8	25,2	19,3	13,2
1,650 V/C	1336	1281	1149	1047	994	837	700	602	462	386	294	242	201	172	151	135	123	113	82,7	68,3	36,9	25,3	19,3	13,3
1,600 V/C	1424	1354	1268	1106	1033	874	725	610	465	388	294	243	201	172	151	136	123	113	83,2	68,6	37,1	25,4	19,4	13,4

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	342	342	342	323	262	222	200	174	157	126	107	91,4	79,4	70,1	62,7	56,4	51,4	41	32,9	29	15,2	10,5	8,09	5,56
1,870 V/C	431	431	431	398	313	262	228	190	167	135	114	97,2	84,3	74,3	66,9	60,5	55,4	44,7	35,9	31,2	16,4	11,3	8,66	5,95
1,850 V/C	465	465	465	431	349	287	246	202	174	141	118	99,8	86,5	76,4	68,7	62	56,6	45,6	36,8	32,2	17	11,7	8,95	6,17
1,830 V/C	490	490	490	472	371	307	262	212	182	146	120	102	88,5	77,7	69,7	62,9	57,3	46,3	37,5	32,8	17,5	12	9,19	6,35
1,800 V/C	556	556	556	510	392	332	281	223	189	149	124	105	90,6	79,4	71,1	64	58,2	46,9	37,9	33,4	18	12,3	9,43	6,49
1,750 V/C	592	592	592	545	420	356	301	233	195	153	128	107	92,3	81,1	72,5	65,2	59,6	47,9	38,8	34,1	18,4	12,6	9,64	6,63
1,700 V/C	655	655	655	595	468	373	308	240	199	155	130	109	94,1	82,5	73,4	65,9	60,2	48,4	39,3	34,6	18,6	12,7	9,74	6,69
1,650 V/C	683	683	683	641	496	391	322	247	202	157	132	111	95,5	83,4	73,9	66,4	60,8	49	39,8	34,9	18,7	12,8	9,77	6,71
1,600 V/C	700	700	700	669	535	407	333	252	204	158	133	112	96,5	84,3	74,5	67,1	61,3	49,4	40,1	35,1	18,8	12,9	9,81	6,72

Technical drawing



Cycle life vs. DOD

