

## Sonnenschein A600 cells / A602/1510

### 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: NGA6021510HS0FA**

#### APPLICATIONS



#### SPECIFICATIONS

- Very low gassing due to internal gas recombination
- 20 years design life at 20°C ambient temperature (80% remaining capacity from C<sub>10</sub>)
- 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

<b>Nominal voltage</b>	2 V
<b>Float charge</b>	2,27 V/C @ 20 °C
<b>Capacity</b>	CP 10min 1,6V/C 20°C 2376W/Bloc CC 10h 1,8V/C 20°C 1497Ah
<b>Short circuit current</b>	7850 A (IEC60896-21/22)
<b>Internal resistance</b>	0,29 mΩ (IEC60896-21/22)

<b>Terminal</b>	2 x F M8
<b>Terminal Torque</b>	20 Nm
<b>Container</b>	UL 94-HB (PP or ABS)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	212 x 277 x 690 mm
<b>Weight</b>	95 kg
<b>Origin</b>	Bad Lauterberg, Germany

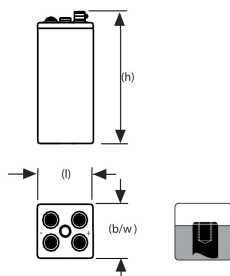
## CONSTANT POWER DISCHARGE

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	1020	1020	1020	1020	1020	990	916	872	804	714	588	496	422	363	318	285	259	239	177	146	78,9	54,1	41,3	28,4
1,870 V/C	1162	1162	1162	1162	1162	1162	1072	990	882	790	656	552	458	392	343	306	279	256	189	154	83,4	57,1	43,7	30
1,850 V/C	1265	1265	1265	1265	1265	1238	1138	1046	920	820	686	576	480	410	358	319	290	266	195	160	86,3	59,1	45,2	31,1
1,830 V/C	1375	1375	1375	1360	1359	1316	1220	1100	946	848	714	600	498	427	374	332	302	277	202	165	89,2	61,1	46,7	32,1
1,800 V/C	1540	1540	1540	1540	1540	1441	1278	1189	1004	878	744	628	526	449	392	350	317	290	211	172	93	63,7	48,7	33,5
1,750 V/C	1817	1817	1817	1817	1817	1736	1505	1340	1070	914	772	658	550	464	406	362	327	299	216	174	94,3	64,6	49,4	33,9
1,700 V/C	2094	2094	2094	2051	2014	1844	1616	1450	1154	958	789	675	558	472	413	367	332	303	218	176	95	65,1	49,8	34,2
1,650 V/C	2368	2368	2318	2226	2151	1991	1720	1490	1194	990	790	676	560	474	415	370	334	305	219	177	95,6	65,5	50,1	34,4
1,600 V/C	2643	2562	2376	2262	2195	2087	1760	1530	1206	1004	791	677	561	475	416	371	335	305	220	177	95,8	65,6	50,2	34,5

## 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	517	517	517	516	486	460	428	380	334	276	237	205	178	159	144	132	121	96,8	78,4	69,4	38,6	26,6	20,5	14,1
1,870 V/C	623	623	623	623	610	540	496	432	380	308	264	226	196	174	156	142	129	103	82,8	73,3	40,5	28,1	21,6	14,9
1,850 V/C	701	701	701	701	672	591	538	463	404	330	280	238	207	184	164	148	135	107	85,6	75,1	41,8	28,9	22,2	15,3
1,830 V/C	755	755	755	755	716	640	580	497	432	350	294	250	217	193	173	155	141	112	88,6	77,4	43	29,7	22,7	15,6
1,800 V/C	858	858	858	858	776	701	628	530	456	364	307	262	228	201	181	163	150	117	92,2	80,2	44,4	30,5	23,3	16,1
1,750 V/C	1048	1048	1048	1048	926	800	708	570	480	380	316	269	235	206	184	166	152	119	93,4	81,2	45,4	31,2	23,7	16,3
1,700 V/C	1267	1267	1267	1230	1054	900	776	603	504	390	320	271	236	207	185	167	153	120	94,4	82	45,9	31,4	24	16,4
1,650 V/C	1430	1430	1430	1392	1166	958	822	617	510	394	321	272	237	208	186	168	154	120	95,2	82,8	46,2	31,6	24,1	16,5
1,600 V/C	1572	1572	1572	1534	1264	1012	858	641	520	396	323	273	238	209	187	169	154	121	95,6	83,2	46,3	31,7	24,1	16,6

## Technical drawing



## Cycle life vs. DOD

