

## Sonnenschein A600 cells / A602/1010

### 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: NGA6021010HS0FA**

#### 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 1849W/Bloc CC 10h 1,8V/C 20°C 998Ah
<b>Short circuit current</b>	4850 A (IEC60896-21/22)
<b>Internal resistance</b>	0,38 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 193 x 690 mm
<b>Weight</b>	66 kg
<b>Origin</b>	Bad Lauterberg, Germany

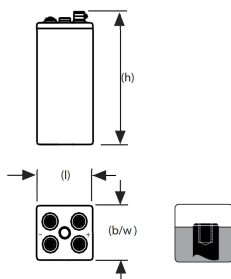
## CONSTANT POWER DISCHARGE

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	991	911	784	713	684	660	611	581	536	476	392	331	281	242	212	190	173	159	118	97,3	52,6	36,1	27,6	18,9
1,870 V/C	1029	1009	949	864	848	789	715	660	588	527	437	368	305	262	229	204	186	171	126	103	55,6	38,1	29,1	20
1,850 V/C	1064	1029	997	928	915	857	759	697	613	547	457	384	320	273	238	213	194	177	130	106	57,5	39,4	30,1	20,7
1,830 V/C	1141	1092	1053	997	976	931	813	733	631	565	476	400	332	285	249	221	201	184	135	110	59,5	40,7	31,1	21,4
1,800 V/C	1285	1252	1184	1111	1080	1043	903	796	669	585	496	419	351	300	262	233	212	194	141	115	62	42,5	32,5	22,3
1,750 V/C	1425	1397	1343	1273	1224	1173	1021	893	713	609	515	439	367	310	270	241	218	199	144	116	62,9	43,1	32,9	22,6
1,700 V/C	1611	1564	1493	1413	1341	1280	1104	967	769	639	526	450	372	315	275	245	222	202	145	117	63,4	43,4	33,2	22,8
1,650 V/C	1848	1751	1657	1564	1480	1364	1147	993	796	660	527	451	373	316	276	246	223	203	146	118	63,7	43,7	33,4	22,9
1,600 V/C	1959	1923	1849	1696	1577	1397	1173	1020	804	669	527	451	374	316	277	247	223	204	146	118	63,9	43,8	33,4	23

## 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	360	360	360	344	324	307	285	253	223	184	158	136	119	106	95,9	87,7	80,4	64,5	52,3	46,3	25,7	17,8	13,7	9,43
1,870 V/C	453	453	453	436	407	360	331	288	253	205	176	150	131	116	104	94,4	86	68,8	55,2	48,9	27	18,7	14,4	9,94
1,850 V/C	519	519	519	491	448	394	359	308	269	220	187	159	138	122	109	98,9	90,1	71,5	57,1	50	27,9	19,3	14,8	10,2
1,830 V/C	561	561	561	539	487	427	387	331	288	233	196	167	145	129	115	103	93,9	74,4	59,1	51,6	28,6	19,8	15,1	10,4
1,800 V/C	637	637	637	611	517	467	419	353	304	243	204	175	152	134	121	109	99,8	78,1	61,5	53,5	29,6	20,4	15,5	10,7
1,750 V/C	748	748	748	712	617	533	472	380	320	253	211	180	157	137	123	111	101	79,1	62,3	54,1	30,3	20,8	15,8	10,9
1,700 V/C	852	852	852	820	703	600	517	402	336	260	213	181	157	138	124	111	102	79,7	62,9	54,7	30,6	20,9	16	11
1,650 V/C	953	953	953	928	777	639	548	411	340	262	214	182	158	139	124	112	102	80,3	63,5	55,2	30,8	21,1	16	11
1,600 V/C	1048	1048	1048	1023	843	675	572	427	347	264	216	182	159	139	125	113	103	80,7	63,7	55,5	30,9	21,1	16,1	11,1

## Technical drawing



## Cycle life vs. DOD

