

## Sonnenschein A600 cells / A602/1650 C

### 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:** NGA6021650HS0FA



#### 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 2377W/Bloc CC 10h 1,8V/C 20°C 1643Ah
<b>Short circuit current</b>	9000 A (IEC60896-21/22)
<b>Internal resistance</b>	0,23 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 759 mm
<b>Weight</b>	106 kg
<b>Origin</b>	Bad Lauterberg, Germany

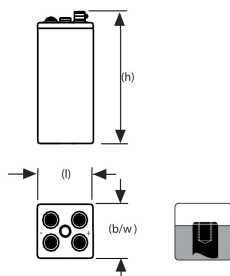
## CONSTANT POWER DISCHARGE

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	1021	1021	1021	1021	1021	1021	841	765	658	598	513	461	415	383	351	319	292	271	200	160	87,7	60,5	46,4	32,3
1,870 V/C	1163	1163	1163	1163	1163	1163	1101	997	850	769	632	523	442	415	379	347	320	296	217	174	94,1	64,5	49,3	33,9
1,850 V/C	1266	1266	1266	1266	1266	1239	1207	1102	922	797	635	539	484	433	399	367	339	312	228	176	95,2	65,2	49,8	34,3
1,830 V/C	1376	1376	1376	1361	1360	1317	1277	1163	989	868	680	572	511	452	413	383	351	324	235	185	100	68,6	52,4	36,1
1,800 V/C	1541	1541	1541	1541	1541	1442	1279	1190	1059	961	746	619	538	476	433	395	363	335	242	191	103	70,7	54	37,2
1,750 V/C	1818	1818	1818	1818	1818	1737	1506	1341	1155	1046	827	671	582	506	453	412	378	349	250	197	106	72,8	55,7	38,3
1,700 V/C	2095	2095	2095	2052	2015	1845	1617	1451	1252	1101	873	704	595	522	465	421	387	356	254	200	108	74,1	56,6	38,9
1,650 V/C	2369	2369	2319	2227	2151	1992	1746	1555	1332	1150	903	726	612	532	474	428	392	361	257	202	109	74,9	57,3	39,4
1,600 V/C	2644	2563	2377	2263	2196	2088	1811	1616	1373	1174	915	736	620	538	479	432	394	363	259	203	110	75,3	57,6	39,6

## 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	518	518	518	518	507	479	420	355	312	261	229	205	188	169	155	141	129	104	83,7	73,3	40,1	27,8	21,5	15,1
1,870 V/C	624	624	624	624	615	589	548	446	380	319	270	227	205	184	167	152	139	112	90,8	79,6	44	30,4	23,3	16,2
1,850 V/C	702	702	702	702	683	630	597	511	431	339	285	252	221	198	181	164	150	120	95,5	83,4	45,4	31,4	24,1	16,7
1,830 V/C	756	756	756	756	717	673	645	560	480	374	311	268	235	210	190	172	157	125	99,5	86,5	46,7	32,4	24,8	17,1
1,800 V/C	859	859	859	859	808	752	694	613	526	410	338	287	251	224	199	180	164	130	103	89,3	48,1	33,2	25,5	17,5
1,750 V/C	1049	1049	1049	1049	982	858	777	678	585	452	365	309	269	236	209	189	172	136	107	92,6	49,3	33,9	26	17,9
1,700 V/C	1268	1268	1268	1260	1135	1011	903	729	623	479	382	322	279	243	215	193	176	139	109	94,6	50	34,2	26,3	18,1
1,650 V/C	1501	1501	1463	1446	1249	1092	960	761	645	491	393	328	284	247	218	196	178	140	110	95,1	50,1	34,4	26,4	18,2
1,600 V/C	1704	1704	1604	1480	1295	1123	992	786	662	497	396	332	286	250	221	198	180	142	111	95,8	50,1	34,4	26,4	18,2

## Technical drawing



## Cycle life vs. DOD

