

# Sonnenschein A600 cells / A602/2200

## 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: **NGA6022200HS0FA**



### 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 2800W/Bloc CC 10h 1,8V/C 20°C 2190Ah
<b>Short circuit current</b>	10750 A (IEC60896-21/22)
<b>Internal resistance</b>	0,19 mΩ (IEC60896-21/22)

<b>Terminal</b>	3 x F M8
<b>Terminal Torque</b>	20 Nm
<b>Container</b>	UL 94 HB (ABS)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	216 x 400 x 816 mm
<b>Weight</b>	149 kg
<b>Origin</b>	Bad Lauterberg, Germany

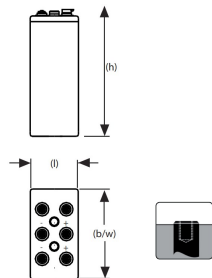
## CONSTANT POWER DISCHARGE

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	1411	1399	1373	1344	1323	1287	1200	1152	1023	908	732	596	511	453	406	370	343	322	254	214	117	80,7	61,9	43
1,870 V/C	1523	1507	1467	1423	1396	1357	1307	1251	1133	1025	843	697	589	511	452	409	379	349	269	228	123	84,4	64,6	44,4
1,850 V/C	1673	1653	1587	1520	1467	1403	1377	1301	1197	1101	916	757	639	558	492	441	401	372	281	235	127	86,9	66,4	45,7
1,830 V/C	1897	1867	1840	1717	1673	1517	1449	1376	1260	1149	965	807	681	588	517	464	423	390	291	242	131	89,6	68,5	47,1
1,800 V/C	2171	2133	2072	1961	1903	1765	1676	1541	1345	1209	1024	867	728	628	551	493	449	411	304	249	135	92,4	70,6	48,5
1,750 V/C	2479	2459	2401	2224	2120	1985	1884	1684	1444	1268	1088	919	776	663	577	514	466	427	311	252	136	93,3	71,4	49,1
1,700 V/C	2627	2627	2572	2481	2400	2221	2044	1801	1515	1300	1112	943	800	681	595	529	478	436	316	255	138	94,6	72,3	49,7
1,650 V/C	2872	2811	2707	2629	2547	2408	2173	1915	1600	1373	1137	951	812	689	601	535	484	443	320	258	139	95,5	73	50,2
1,600 V/C	3259	3120	2800	2733	2667	2543	2267	2005	1645	1387	1141	961	819	695	606	539	488	447	322	259	140	96,1	73,4	50,5

## 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	691	691	691	669	639	613	581	523	469	381	326	284	251	225	207	189	172	139	112	97,7	53,4	37,1	28,7	20,1
1,870 V/C	832	832	832	817	793	710	632	575	520	437	365	313	273	245	223	202	185	150	121	106	58,6	40,5	31	21,6
1,850 V/C	1031	1031	1031	972	864	760	680	613	555	463	387	335	295	265	241	219	200	160	127	111	60,5	41,9	32,1	22,2
1,830 V/C	1123	1123	1123	1077	944	817	733	656	589	497	415	358	314	280	254	230	210	167	133	115	62,2	43,1	33,1	22,9
1,800 V/C	1279	1279	1279	1197	1076	958	863	741	657	531	440	378	331	295	266	240	219	173	137	119	64,1	44,3	34	23,4
1,750 V/C	1356	1356	1356	1313	1237	1105	1012	843	712	567	465	397	347	309	278	252	229	182	143	123	65,8	45,2	34,7	23,9
1,700 V/C	1557	1557	1557	1480	1365	1254	1140	905	753	580	475	406	354	316	285	257	234	186	146	126	66,6	45,6	35	24,2
1,650 V/C	1760	1760	1760	1608	1476	1359	1208	944	777	596	484	413	360	321	289	261	238	187	147	127	66,8	45,8	35,2	24,2
1,600 V/C	2059	2059	2059	1872	1664	1472	1267	979	807	607	492	417	363	324	292	264	240	189	148	128	66,8	45,8	35,2	24,3

## Technical drawing



## Cycle life vs. DOD

