Sonnenschein A600 cells / A602/1250 V0

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: NGA6021250VS0FA

APPLICATIONS

SPECIFICATIONS

- Very low gassing due to internal gas recombination
- 20 years design life at 20°C ambient temperature (80% remaining capacity from C_{10})
- 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 2312W/Bloc
	CC 10h 1,8V/C 20°C 1248Ah
Short circuit current	6250 A (IEC60896-21/22)
Internal resistance	0,33 mΩ (IEC60896-21/22)

Terminal	2 x F M8
Terminal Torque	20 Nm
Container	UL 94-V0 (PP or ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	212 x 235 x 690 mm
Weight	80 kg
Origin	Bad Lauterberg, Germany

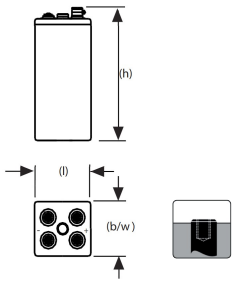
CONSTANT POWER DISCHARGE

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	1019	1019	980	892	855	825	763	727	670	595	490	413	352	303	265	238	216	199	147	122	65,8	45,1	34,4	23,7
1,870 V/C	1161	1161	1161	1080	1060	987	893	825	735	658	547	460	382	327	286	255	232	213	157	129	69,5	47,6	36,4	25
1,850 V/C	1264	1264	1247	1160	1143	1072	948	872	767	683	572	480	400	342	298	266	242	222	163	133	71,9	49,3	37,7	25,9
1,830 V/C	1374	1365	1317	1247	1220	1163	1017	917	788	707	595	500	415	356	311	277	252	231	169	138	74,3	50,9	38,9	26,8
1,800 V/C	1539	1539	1480	1388	1350	1303	1128	995	837	732	620	523	438	375	327	291	265	242	176	143	77,5	53,1	40,6	27,9
1,750 V/C	1782	1747	1678	1592	1530	1467	1277	1117	892	762	643	548	458	387	338	301	273	249	180	145	78,6	53,8	41,1	28,3
1,700 V/C	2013	1955	1867	1767	1677	1600	1380	1208	962	798	658	563	465	393	344	306	277	253	182	147	79,2	54,3	41,5	28,5
1,650 V/C	2310	2188	2072	1955	1850	1705	1433	1242	995	825	658	563	467	395	346	308	278	254	183	147	79,7	54,6	41,7	28,7
1,600 V/C	2448	2403	2312	2120	1972	1747	1467	1275	1005	837	659	564	467	396	346	309	279	255	183	148	79,8	54,7	41,8	28,7

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	450	450	450	430	405	383	357	317	278	230	197	171	149	133	120	110	101	80,7	65,3	57,9	32,2	22,2	17,1	11,8
1,870 V/C	567	567	567	545	508	450	413	360	317	257	220	188	163	145	130	118	108	86	69	61,1	33,8	23,4	18	12,4
1,850 V/C	648	648	648	613	560	492	448	386	337	275	233	199	173	153	137	124	113	89,3	71,3	62,5	34,8	24,1	18,5	12,7
1,830 V/C	702	702	702	673	608	533	483	414	360	292	245	208	181	161	144	129	117	93	73,8	64,5	35,8	24,7	18,9	13
1,800 V/C	797	797	797	763	647	584	523	442	380	303	256	218	190	168	151	136	125	97,7	76,8	66,8	37	25,5	19,4	13,4
1,750 V/C	935	935	935	890	772	667	590	475	400	317	263	225	196	172	154	139	127	98,8	77,8	67,7	37,8	26	19,8	13,6
1,700 V/C	1065	1065	1065	1025	878	750	647	502	420	325	267	226	197	173	155	139	127	99,7	78,7	68,3	38,3	26,2	20	13,7
1,650 V/C	1192	1192	1192	1160	972	798	685	514	425	328	268	227	198	174	155	140	128	100	79,3	69	38,5	26,3	20,1	13,8
1,600 V/C	1310	1310	1310	1278	1053	843	715	534	433	330	270	228	198	174	156	141	129	101	79,7	69,4	38,6	26,4	20,1	13,8

Technical drawing



Cycle life vs. DOD