

Sonnenschein A600 cells / A602/750 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: NGA6020750VS0FA



APPLICATIONS



SPECIFICATIONS

- Very low gassing due to internal gas recombination
- 20 years design life at 20°C ambient temperature (80% remaining capacity from C₁₀)
- 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 1387W/Bloc CC 10h 1,8V/C 20°C 748Ah
Short circuit current	4300 A (IEC60896-21/22)
Internal resistance	0,48 mΩ (IEC60896-21/22)

Terminal	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)	147 x 208 x 690 mm
Weight	49 kg
Origin	Bad Lauterberg, Germany

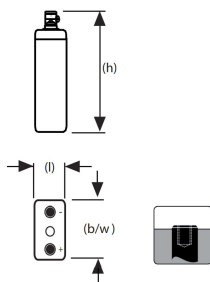
CONSTANT POWER DISCHARGE

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	743	683	588	535	513	495	458	436	402	357	294	248	211	182	159	143	130	119	88,3	73	39,5	27	20,7	14,2
1,870 V/C	772	757	712	648	636	592	536	495	441	395	328	276	229	196	171	153	139	128	94,3	77,1	41,7	28,6	21,8	15
1,850 V/C	798	772	748	696	686	643	569	523	460	410	343	288	240	205	179	160	145	133	97,5	79,8	43,1	29,6	22,6	15,5
1,830 V/C	856	819	790	748	732	698	610	550	473	424	357	300	249	213	187	166	151	138	101	82,5	44,6	30,6	23,4	16,1
1,800 V/C	964	939	888	833	810	782	677	597	502	439	372	314	263	225	196	175	159	145	106	86	46,5	31,9	24,4	16,7
1,750 V/C	1069	1048	1007	955	918	880	766	670	535	457	386	329	275	232	203	181	164	150	108	87,2	47,1	32,3	24,7	17
1,700 V/C	1208	1173	1120	1060	1006	960	828	725	577	479	395	338	279	236	207	184	166	152	109	87,9	47,5	32,6	24,9	17,1
1,650 V/C	1386	1313	1243	1173	1110	1023	860	745	597	495	395	338	280	237	207	185	167	152	110	88,4	47,8	32,7	25	17,2
1,600 V/C	1469	1442	1387	1272	1183	1048	880	765	603	502	395	338	280	237	208	185	168	153	110	88,6	47,9	32,8	25,1	17,2

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	270	270	270	258	243	230	214	190	167	138	118	102	89,2	79,6	71,9	65,8	60,3	48,4	39,2	34,7	19,3	13,3	10,3	7,07
1,870 V/C	340	340	340	327	305	270	248	216	190	154	132	113	98	86,8	78	70,8	64,5	51,6	41,4	36,6	20,3	14,1	10,8	7,45
1,850 V/C	389	389	389	368	336	295	269	231	202	165	140	119	104	91,8	82,1	74,2	67,6	53,6	42,8	37,5	20,9	14,5	11,1	7,63
1,830 V/C	421	421	421	404	365	320	290	249	216	175	147	125	109	96,4	86,3	77,6	70,4	55,8	44,3	38,7	21,5	14,8	11,3	7,81
1,800 V/C	478	478	478	458	388	351	314	265	228	182	153	131	114	101	90,5	81,7	74,8	58,6	46,1	40,1	22,2	15,3	11,6	8,05
1,750 V/C	561	561	561	534	463	400	354	285	240	190	158	135	117	103	92,2	83,1	75,9	59,3	46,7	40,6	22,7	15,6	11,9	8,16
1,700 V/C	639	639	639	615	527	450	388	301	252	195	160	136	118	104	92,7	83,5	76,4	59,8	47,2	41	23	15,7	12	8,22
1,650 V/C	715	715	715	696	583	479	411	308	255	197	161	136	119	104	93,2	84	76,8	60,2	47,6	41,4	23,1	15,8	12	8,27
1,600 V/C	786	786	786	767	632	506	429	321	260	198	162	137	119	105	93,6	84,4	77,2	60,5	47,8	41,6	23,1	15,8	12,1	8,29

Technical drawing



Cycle life vs. DOD

