

Sonnenschein A600 SOLAR cells / A602/1695 Solar V0

INDUSTRIAL BATTERIES / NETWORK POWER

Sonnenschein A600 SOLAR is a premium range, developed specifically for applications where cycling is required. It has extraordinary energy-saving features in addition to robust reliability, proven for decades in many installations world wide.

Part Number: NGS6021695VS0FC

APPLICATIONS



SPECIFICATIONS

- Cycling performance at 20 °C (with IU charging): 2400 cycles at 60 % Depth of Discharge (C10) at 20 °C For enhanced performance and for systems ≥ 48 V we recommend IUI charging, to reach 3000+ cycles at 20 °C
- Designed in accordance with IEC 61427 and IEC 60896-21/22
- Long shelf life up to 17 months at 20 °C without recharge due to the very low self discharge rate
- Also available as flame-retardant version on request (V0)
- Manufactured in Europe in our ISO 9001 certified production plants
- Trouble-free transport of operational cells, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- Approval: UL (Underwriters Laboratories), DNV GL (Germanischer Lloyd)



Single cell



Tubular plate



Recyclable



Valve regulated
lead-acid
batteries



Proof
against deep
discharge



Maintenance
free (no
topping up)



3000+ cycles (with
IUI charging, at 20
°C) at
60 % DoD C₁₀

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

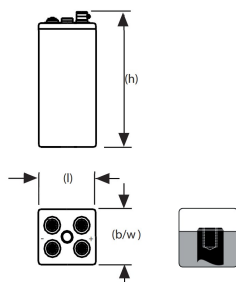
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 1689Ah
Short circuit current	7850 A (IEC60896-21/22)
Internal resistance	0,29 mΩ (IEC60896-21/22)

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 277 x 690 mm
Weight	95 kg
Origin	Bad Lauterberg, Germany

CONSTANT CURRENT DISCHARGE

A @ 20 °C	3m	5m	10m	15m	30m	45m	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	13h	17h	20h	30h	40h	60h	80h	120h
1,900 V/C	513	513	513	490	462	403	369	302	256	224	197	173	154	139	127	116	90,8	71	61,5	42,9	33,3	23,6	18,6	13,1
1,870 V/C	646	646	646	621	580	489	435	335	278	240	210	185	164	147	134	123	96,4	75,5	65	45,2	35,1	24,8	19,4	13,7
1,850 V/C	713	713	713	699	628	534	476	355	291	250	218	192	170	152	139	127	99,5	77,8	67,1	46,6	36,1	25,5	20	14,1
1,830 V/C	800	800	800	768	680	586	515	374	303	259	226	198	175	157	143	131	102	79,8	69	47,8	37	26,1	20,4	14,4
1,800 V/C	891	891	891	850	759	649	572	400	321	272	236	207	183	164	149	136	107	83,2	71,7	49,6	38,3	27	21	14,8
1,770 V/C	1000	1000	1000	942	824	706	622	425	337	284	246	214	189	170	154	141	110	85,7	74,1	51,2	39,5	27,8	21,6	15,2
1,750 V/C	1066	1066	1066	1001	868	737	650	439	347	291	252	219	193	173	157	144	112	87,6	75,4	52,1	40,2	28,2	22	15,4
1,730 V/C	1124	1124	1124	1062	908	777	674	453	356	297	257	223	196	176	160	146	114	88,8	76,5	52,8	40,7	28,5	22,2	15,6
1,700 V/C	1214	1214	1214	1163	973	818	707	471	369	306	263	228	201	180	164	149	116	90,6	78,2	53,9	41,5	29	22,5	15,8
1,670 V/C	1300	1300	1300	1249	1038	862	738	486	380	313	269	232	204	183	167	152	118	92,2	79,2	54,6	42,1	29,3	22,8	16
1,650 V/C	1359	1359	1359	1322	1087	887	738	495	387	316	271	234	206	184	168	152	119	92,6	79,7	55	42,3	29,4	22,9	16
1,630 V/C	1426	1426	1426	1390	1137	916	738	503	393	318	272	235	207	185	168	153	119	92,9	80	55,1	42,4	29,5	23	16,1
1,600 V/C	1426	1426	1426	1390	1137	916	738	503	393	318	272	235	207	185	168	153	119	92,9	80	55,1	42,4	29,6	23	16,1

Technical drawing



Cycle life vs. DOD

