

Sonnenschein A600 SOLAR cells / A602/3920 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: NGS6023920VS0FC

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

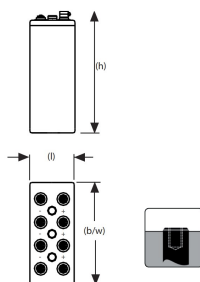
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 3919Ah
Short circuit current	16100 A (IEC60896-21/22)
Internal resistance	0,13 mΩ (IEC60896-21/22)

Terminal	4 x F M8
Terminal Torque	20 Nm
Container	UL 94-V0 (ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	214 x 578 x 816 mm
Weight	238 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	984	984	984	954	910	874	821	618	519	450	382	340	307	280	256	235	188	153	135	94,9	74,6	52,6	41,1	29,2
1,870 V/C	1186	1186	1186	1165	1131	1059	952	696	584	493	433	380	340	309	285	262	210	168	147	103	80,6	56,7	44,3	31,3
1,850 V/C	1469	1469	1469	1385	1231	1128	1033	762	630	528	461	403	360	327	300	277	221	176	155	108	84,4	59,3	46,2	32,7
1,830 V/C	1600	1600	1600	1535	1345	1208	1107	820	672	561	487	426	379	344	315	290	230	183	161	112	87,5	61,3	47,9	33,7
1,800 V/C	1822	1822	1822	1706	1533	1366	1202	911	712	593	512	446	396	360	329	304	241	192	168	117	91	63,6	49,4	34,8
1,770 V/C	1877	1877	1877	1789	1648	1470	1302	973	749	619	535	465	413	374	343	315	250	199	174	121	93,9	65,5	50,9	35,5
1,750 V/C	1932	1932	1932	1872	1763	1574	1369	1013	774	637	548	478	424	383	351	323	256	203	177	123	95,7	66,6	51,6	36
1,730 V/C	2076	2076	2076	1990	1854	1680	1430	1043	795	654	562	486	432	390	357	328	259	206	180	124	96,8	67,4	52,3	36,4
1,700 V/C	2219	2219	2219	2109	1984	1787	1508	1065	813	667	573	497	440	396	362	332	263	208	182	126	97,9	68,1	52,9	36,7
1,670 V/C	2364	2364	2364	2200	2088	1862	1571	1083	824	678	581	503	445	401	366	336	266	211	183	127	99,2	68,5	53,2	36,8
1,650 V/C	2364	2364	2364	2200	2088	1862	1571	1083	824	678	581	503	445	401	366	336	266	211	183	127	99,2	68,5	53,2	36,8
1,630 V/C	2721	2721	2721	2480	2237	2017	1571	1108	841	691	591	511	452	408	373	342	270	213	186	129	100	68,9	53,5	36,9
1,600 V/C	2721	2721	2721	2480	2237	2017	1571	1108	841	691	591	511	452	408	373	342	270	213	186	129	100	69,1	53,5	36,9

Technical drawing



Cycle life vs. DOD

