

Sonnenschein A600 SOLAR cells / A602/3270 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: NGS6023270VS0FC

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

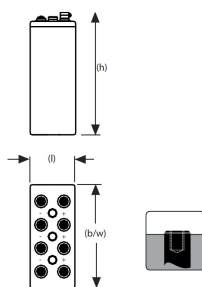
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 3266Ah
Short circuit current	13400 A (IEC60896-21/22)
Internal resistance	0,16 mΩ (IEC60896-21/22)

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 489 x 816 mm
Weight	190 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	820	820	820	795	758	728	684	515	432	375	318	283	255	233	213	196	157	127	113	79,1	62,2	43,8	34,2	24,4
1,870 V/C	988	988	988	971	942	882	794	580	487	411	360	316	283	258	237	219	175	140	123	85,8	67,2	47,3	36,9	26,1
1,850 V/C	1224	1224	1224	1154	1026	940	860	635	525	440	384	336	300	273	250	231	184	147	129	89,7	70,3	49,4	38,5	27,2
1,830 V/C	1333	1333	1333	1279	1121	1007	923	683	560	468	406	355	316	286	262	242	192	153	134	93,2	72,9	51,1	39,9	28,1
1,800 V/C	1518	1518	1518	1422	1278	1138	1001	759	594	494	427	372	330	300	275	253	201	160	140	97,2	75,8	53	41,2	29
1,770 V/C	1564	1564	1564	1491	1374	1225	1085	811	624	516	446	388	344	312	285	263	208	166	145	100	78,2	54,6	42,4	29,6
1,750 V/C	1610	1610	1610	1560	1469	1312	1141	844	645	531	457	398	353	319	293	269	213	169	148	103	79,7	55,5	43	30
1,730 V/C	1730	1730	1730	1659	1545	1400	1192	869	663	545	468	405	360	325	297	273	216	171	150	104	80,7	56,2	43,5	30,3
1,700 V/C	1849	1849	1849	1758	1653	1489	1256	888	678	556	477	414	367	330	302	277	219	174	151	105	81,6	56,7	44,1	30,6
1,670 V/C	1970	1970	1970	1834	1740	1551	1310	903	687	565	484	420	371	334	305	280	222	176	153	106	82,6	57,1	44,3	30,7
1,650 V/C	1970	1970	1970	1834	1740	1551	1310	903	687	565	484	420	371	334	305	280	222	176	153	106	82,6	57,1	44,3	30,7
1,630 V/C	2267	2267	2267	2066	1864	1681	1310	923	701	576	493	426	377	340	311	285	225	178	155	107	83,7	57,4	44,6	30,7
1,600 V/C	2267	2267	2267	2066	1864	1681	1310	923	701	576	493	426	377	340	311	285	225	178	155	107	83,7	57,5	44,6	30,8

Technical drawing



Cycle life vs. DOD

