

Sonnenschein A600 SOLAR cells / A602/625 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: NGS6020625VS0FC

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

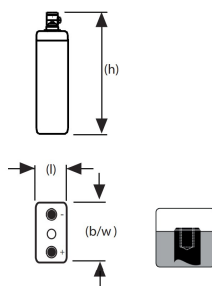
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 623Ah
Short circuit current	3950 A (IEC60896-21/22)
Internal resistance	0,53 mΩ (IEC60896-21/22)

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 515 mm
Weight	35 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	212	212	212	201	188	167	153	113	90,9	74,1	63,6	55,7	49,8	45,1	41,3	38	30,5	24,6	21,7	15,3	11,9	8,5	6,72	4,8
1,870 V/C	269	269	269	258	237	194	175	125	98,7	81,3	69,3	60,4	53,8	48,7	44,3	40,9	32,8	26,4	23,2	16,2	12,6	8,97	7,08	5,04
1,850 V/C	291	291	291	281	258	212	189	131	104	85,1	72,4	63	56	50,6	46,1	42,4	33,9	27,3	24	16,8	13	9,26	7,32	5,19
1,830 V/C	334	334	334	320	276	228	201	138	108	88,5	75	65,3	57,9	52,2	47,5	43,8	35	28,1	24,7	17,2	13,3	9,47	7,49	5,32
1,800 V/C	368	368	368	348	301	246	220	147	114	93	78,6	68,3	60,5	54,4	49,5	45,6	36,3	29	25,5	17,8	13,7	9,75	7,71	5,45
1,770 V/C	420	420	420	391	321	263	238	156	120	97,2	82,1	71,2	62,9	56,5	51,3	47,1	37,5	30	26,2	18,3	14,1	9,99	7,88	5,56
1,750 V/C	445	445	445	413	333	274	249	162	123	99,9	84,3	72,9	64,4	57,9	52,4	48	38,2	30,5	26,7	18,6	14,3	10,1	7,95	5,61
1,730 V/C	462	462	462	434	345	286	258	166	126	102	86	74,4	65,6	58,8	53,2	48,8	38,9	31	27,1	18,8	14,5	10,2	8,01	5,66
1,700 V/C	490	490	490	463	364	294	268	171	129	104	87,6	75,8	66,8	59,8	54,1	49,6	39,4	31,5	27,5	19,1	14,7	10,4	8,09	5,71
1,670 V/C	514	514	514	484	377	303	275	175	131	105	88,4	76,6	67,4	60,5	54,8	50,3	39,9	31,8	27,9	19,3	14,8	10,5	8,16	5,75
1,650 V/C	531	531	531	499	385	308	275	177	132	106	88,8	76,9	67,9	60,9	55,1	50,6	40,2	32	28	19,4	14,8	10,5	8,19	5,77
1,630 V/C	538	538	538	510	396	314	275	179	133	106	89,1	77,1	68,2	61,1	55,5	50,9	40,4	32,1	28,1	19,4	14,9	10,5	8,21	5,79
1,600 V/C	538	538	538	510	396	314	275	179	133	106	89,1	77,1	68,2	61,1	55,5	50,9	40,4	32,1	28,1	19,4	14,9	10,6	8,21	5,8

Technical drawing



Cycle life vs. DOD

