

# Sonnenschein A600 SOLAR cells / A602/370 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: NGS6020370VS0FC**

### 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  $\geq 48$  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 C<sub>10</sub>

### 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

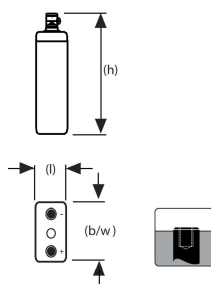
<b>Nominal voltage</b>	2 V
<b>Float charge</b>	2,3 V/C @ 20 °C
<b>Capacity</b>	CC 120h 1,85V/C 20°C 367Ah
<b>Short circuit current</b>	2700 A (IEC60896-21/22)
<b>Internal resistance</b>	0,79 mΩ (IEC60896-21/22)

<b>Terminal</b>	F M8
<b>Terminal Torque</b>	20 Nm
<b>Container</b>	UL 94-V0 (PP or ABS)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	126 x 208 x 399 mm
<b>Weight</b>	22 kg
<b>Origin</b>	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	140	140	140	131	119	102	92,5	64,1	50,2	42,5	36,6	32	28,6	25,9	23,7	21,9	17,7	14,3	12,6	8,93	7,06	5,04	3,93	2,77
1,870 V/C	175	175	175	166	141	115	103	70,9	56,3	46,6	40,1	35,3	31,3	28,4	25,9	24	19,2	15,5	13,6	9,57	7,54	5,37	4,18	2,93
1,850 V/C	188	188	188	179	155	124	111	74,8	59,9	49,8	43	37,6	33,4	30,1	27,5	25,4	20,3	16,3	14,3	10,1	7,92	5,62	4,37	3,06
1,830 V/C	218	218	218	204	167	133	118	78,9	62,9	52,5	45,2	39,3	34,8	31,5	28,7	26,4	21	16,8	14,8	10,4	8,17	5,78	4,5	3,15
1,800 V/C	239	239	239	219	181	145	129	84,9	65,8	54,7	47	40,8	36,1	32,5	29,6	27,2	21,7	17,3	15,2	10,6	8,35	5,91	4,6	3,22
1,770 V/C	275	275	275	248	195	154	139	89,4	68,3	56,5	48,3	41,8	37	33,4	30,4	27,9	22,2	17,7	15,5	10,8	8,49	6,01	4,67	3,27
1,750 V/C	289	289	289	258	204	160	145	91,9	69,8	57,7	49,3	42,5	37,6	33,9	30,8	28,3	22,5	17,9	15,7	10,9	8,59	6,08	4,72	3,32
1,730 V/C	299	299	299	271	213	166	148	93,8	70,7	58,4	50,1	43,1	38	34,2	31,1	28,5	22,7	18,1	15,8	11	8,66	6,14	4,76	3,35
1,700 V/C	318	318	318	290	223	172	152	95,3	71,3	59	50,7	43,4	38,3	34,4	31,2	28,7	22,8	18,2	15,9	11,1	8,72	6,18	4,79	3,37
1,670 V/C	333	333	333	303	231	177	155	96,4	71,7	59,3	51	43,7	38,6	34,5	31,3	28,8	22,9	18,3	16	11,2	8,76	6,21	4,8	3,38
1,650 V/C	341	341	341	312	236	179	155	96,8	72	59,6	51,2	44	38,7	34,6	31,4	28,9	23	18,3	16,1	11,2	8,78	6,23	4,81	3,39
1,630 V/C	349	349	349	321	239	181	155	97,3	72,3	59,8	51,3	44,1	38,8	34,6	31,4	28,9	23	18,4	16,1	11,3	8,8	6,24	4,82	3,39
1,600 V/C	349	349	349	321	239	181	155	97,3	72,3	59,8	51,3	44,1	38,8	34,6	31,4	28,9	23	18,4	16,1	11,3	8,8	6,24	4,82	3,39

## Technical drawing



## Cycle life vs. DOD

