

# Sonnenschein A600 SOLAR cells / A602/1415 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: NGS6021415VS0FC**

### 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 IU 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  
IU 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

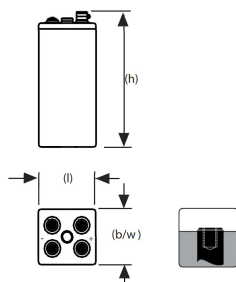
<b>Nominal voltage</b>	2 V
<b>Float charge</b>	2,3 V/C @ 20 °C
<b>Capacity</b>	CC 120h 1,85V/C 20°C 1408Ah
<b>Short circuit current</b>	6250 A (IEC60896-21/22)
<b>Internal resistance</b>	0,33 mΩ (IEC60896-21/22)

<b>Terminal</b>	2 x 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>	212 x 235 x 690 mm
<b>Weight</b>	80 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	428	428	428	409	385	336	308	252	213	186	164	145	128	115	106	96,7	75,7	59,2	51,3	35,7	27,7	19,7	15,5	10,9
1,870 V/C	538	538	538	518	483	407	362	279	232	200	175	154	136	122	112	102	80,3	62,9	54,2	37,7	29,3	20,7	16,2	11,4
1,850 V/C	594	594	594	583	523	445	396	296	243	209	182	160	141	127	116	106	82,9	64,8	55,9	38,9	30,1	21,2	16,6	11,7
1,830 V/C	667	667	667	640	567	488	429	312	253	216	188	165	146	131	119	109	85,3	66,5	57,5	39,9	30,8	21,7	17	12
1,800 V/C	743	743	743	708	632	540	477	334	267	227	197	172	152	137	124	114	88,9	69,3	59,7	41,3	31,9	22,5	17,5	12,3
1,770 V/C	833	833	833	785	686	588	518	354	281	237	205	178	158	141	129	117	91,7	71,4	61,7	42,7	32,9	23,1	18	12,7
1,750 V/C	888	888	888	834	723	614	541	366	289	242	210	182	161	144	131	120	93,7	73	62,8	43,4	33,5	23,5	18,3	12,9
1,730 V/C	937	937	937	885	757	648	561	377	297	247	214	186	164	147	133	122	95	74	63,8	44	33,9	23,8	18,5	13
1,700 V/C	1012	1012	1012	969	811	682	589	392	307	255	219	190	167	150	136	124	97	75,5	65,1	44,9	34,6	24,1	18,8	13,2
1,670 V/C	1083	1083	1083	1041	865	719	615	405	317	261	224	194	170	153	139	126	98,7	76,8	66	45,5	35,1	24,4	19	13,3
1,650 V/C	1132	1132	1132	1102	906	739	615	413	323	263	226	195	172	153	140	127	99	77,1	66,4	45,8	35,3	24,5	19,1	13,4
1,630 V/C	1188	1188	1188	1158	947	763	615	419	327	265	227	196	172	154	140	128	99,6	77,4	66,7	45,9	35,4	24,6	19,1	13,4
1,600 V/C	1188	1188	1188	1158	947	763	615	419	327	265	227	196	172	154	140	128	99,6	77,4	66,7	45,9	35,4	24,6	19,2	13,4

## Technical drawing



## Cycle life vs. DOD

