

Sonnenschein A600 SOLAR cells / A602/295 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: NGS6020295VS0FC

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

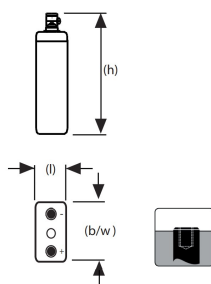
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 294Ah
Short circuit current	2200 A (IEC60896-21/22)
Internal resistance	0,95 mΩ (IEC60896-21/22)

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)	105 x 208 x 399 mm
Weight	17,4 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	112	112	112	105	94,9	81,4	74	51,2	40,2	34	29,3	25,6	22,8	20,7	19	17,5	14,1	11,4	10,1	7,14	5,65	4,03	3,14	2,21
1,870 V/C	140	140	140	133	112	92	82,1	56,7	45	37,3	32,1	28,2	25,1	22,7	20,8	19,2	15,4	12,4	10,9	7,66	6,03	4,29	3,35	2,34
1,850 V/C	150	150	150	143	124	99,6	88,6	59,9	47,9	39,8	34,4	30,1	26,7	24,1	22	20,3	16,2	13	11,5	8,04	6,34	4,49	3,49	2,45
1,830 V/C	174	174	174	163	133	106	94,2	63,1	50,3	42	36,2	31,5	27,9	25,2	22,9	21,1	16,8	13,5	11,8	8,3	6,53	4,63	3,6	2,52
1,800 V/C	191	191	191	175	145	116	103	67,9	52,6	43,7	37,6	32,6	28,9	26	23,7	21,8	17,4	13,9	12,2	8,5	6,68	4,73	3,68	2,58
1,770 V/C	220	220	220	198	156	123	112	71,5	54,7	45,2	38,7	33,4	29,6	26,7	24,3	22,3	17,7	14,1	12,4	8,65	6,79	4,81	3,73	2,62
1,750 V/C	231	231	231	207	163	128	116	73,5	55,8	46,2	39,5	34	30,1	27,1	24,7	22,6	18	14,3	12,5	8,75	6,87	4,87	3,78	2,65
1,730 V/C	239	239	239	217	170	133	119	75	56,6	46,7	40,1	34,5	30,4	27,3	24,8	22,8	18,1	14,5	12,7	8,83	6,93	4,91	3,81	2,68
1,700 V/C	254	254	254	232	179	138	121	76,2	57	47,2	40,5	34,8	30,7	27,5	25	22,9	18,2	14,5	12,7	8,9	6,97	4,95	3,83	2,69
1,670 V/C	266	266	266	242	185	142	124	77,1	57,3	47,5	40,8	35	30,9	27,6	25,1	23	18,3	14,6	12,8	8,96	7,01	4,97	3,84	2,7
1,650 V/C	273	273	273	250	189	143	124	77,5	57,6	47,7	41	35,2	31	27,7	25,1	23,1	18,4	14,7	12,9	9	7,03	4,98	3,85	2,71
1,630 V/C	279	279	279	257	191	145	124	77,8	57,8	47,8	41,1	35,3	31	27,7	25,2	23,1	18,4	14,7	12,9	9,03	7,04	4,99	3,86	2,71
1,600 V/C	279	279	279	257	191	145	124	77,8	57,8	47,8	41,1	35,3	31	27,7	25,2	23,1	18,4	14,7	12,9	9,03	7,04	5	3,86	2,71

Technical drawing



Cycle life vs. DOD

