

Sonnenschein A600 SOLAR cells / A602/520 Solar

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: NGS6020520HS0FC

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

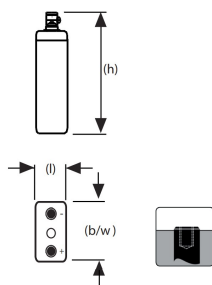
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 519Ah
Short circuit current	3300 A (IEC60896-21/22)
Internal resistance	0,62 mΩ (IEC60896-21/22)

Terminal	F M8
Terminal Torque	20 Nm
Container	UL 94-HB (PP or ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	126 x 208 x 515 mm
Weight	30 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	176	176	176	168	157	139	127	94,5	75,8	61,8	53	46,4	41,5	37,6	34,4	31,7	25,4	20,5	18,1	12,7	9,89	7,08	5,6	4
1,870 V/C	224	224	224	215	197	162	146	104	82,3	67,7	57,7	50,3	44,8	40,6	36,9	34,1	27,3	22	19,3	13,5	10,5	7,48	5,9	4,2
1,850 V/C	243	243	243	234	215	177	157	109	86,3	70,9	60,3	52,5	46,7	42,1	38,4	35,3	28,3	22,7	20	14	10,8	7,71	6,1	4,33
1,830 V/C	279	279	279	267	230	190	168	115	89,8	73,8	62,5	54,4	48,2	43,5	39,6	36,5	29,2	23,4	20,5	14,4	11,1	7,89	6,25	4,43
1,800 V/C	306	306	306	290	251	205	183	123	95	77,5	65,5	56,9	50,5	45,3	41,2	38	30,3	24,2	21,2	14,8	11,4	8,13	6,43	4,54
1,770 V/C	350	350	350	326	267	219	198	130	99,7	81	68,4	59,3	52,4	47,1	42,7	39,3	31,3	25	21,9	15,2	11,7	8,33	6,56	4,63
1,750 V/C	371	371	371	344	277	228	208	135	103	83,3	70,3	60,7	53,7	48,2	43,7	40	31,9	25,4	22,3	15,5	11,9	8,43	6,62	4,68
1,730 V/C	385	385	385	362	288	238	215	139	105	85	71,7	62	54,7	49	44,3	40,7	32,4	25,8	22,6	15,7	12,1	8,53	6,67	4,71
1,700 V/C	409	409	409	386	303	245	223	143	108	86,6	73	63,1	55,7	49,8	45,1	41,4	32,9	26,2	22,9	15,9	12,2	8,65	6,74	4,76
1,670 V/C	429	429	429	404	314	252	229	146	109	87,5	73,7	63,8	56,2	50,4	45,7	41,9	33,3	26,5	23,2	16,1	12,3	8,72	6,8	4,79
1,650 V/C	443	443	443	416	321	257	229	148	110	88	74	64,1	56,6	50,7	45,9	42,2	33,5	26,7	23,3	16,2	12,4	8,77	6,82	4,81
1,630 V/C	448	448	448	425	330	262	229	149	110	88,2	74,2	64,3	56,8	50,9	46,2	42,4	33,6	26,7	23,4	16,2	12,4	8,79	6,84	4,82
1,600 V/C	448	448	448	425	330	262	229	149	110	88,2	74,2	64,3	56,8	50,9	46,2	42,4	33,6	26,7	23,4	16,2	12,4	8,81	6,84	4,83

Technical drawing



Cycle life vs. DOD

