

Sonnenschein A600 SOLAR cells / A602/750 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: NGS6020750HS0FC

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

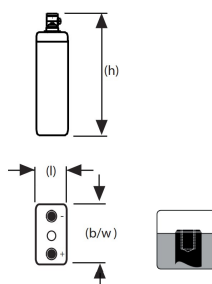
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 727Ah
Short circuit current	4400 A (IEC60896-21/22)
Internal resistance	0,47 mΩ (IEC60896-21/22)

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)	168 x 208 x 515 mm
Weight	39 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	247	247	247	235	220	194	178	132	106	86,5	74,2	65	58,1	52,6	48,2	44,4	35,6	28,8	25,4	17,8	13,8	9,91	7,84	5,6
1,870 V/C	314	314	314	301	276	227	204	145	115	94,8	80,8	70,5	62,7	56,8	51,7	47,8	38,3	30,8	27,1	18,9	14,7	10,5	8,27	5,88
1,850 V/C	340	340	340	328	301	248	220	153	121	99,2	84,4	73,5	65,4	59	53,8	49,5	39,6	31,8	28	19,6	15,2	10,8	8,53	6,06
1,830 V/C	390	390	390	374	322	266	235	161	126	103	87,5	76,2	67,5	60,9	55,4	51,1	40,9	32,7	28,8	20,1	15,6	11	8,74	6,21
1,800 V/C	429	429	429	406	351	287	256	172	133	109	91,7	79,7	70,6	63,5	57,7	53,2	42,4	33,9	29,7	20,7	16	11,4	9	6,36
1,770 V/C	490	490	490	456	374	306	277	182	140	113	95,8	83	73,4	65,9	59,8	55	43,8	35	30,6	21,3	16,4	11,7	9,19	6,49
1,750 V/C	519	519	519	482	388	320	291	189	144	117	98,4	85	75,1	67,5	61,1	56	44,6	35,6	31,2	21,6	16,7	11,8	9,27	6,55
1,730 V/C	539	539	539	506	403	334	301	194	147	119	100	86,8	76,6	68,6	62,1	57	45,4	36,1	31,6	21,9	16,9	11,9	9,34	6,6
1,700 V/C	572	572	572	540	424	343	313	200	151	121	102	88,4	77,9	69,8	63,1	57,9	46	36,7	32,1	22,2	17,1	12,1	9,43	6,66
1,670 V/C	600	600	600	565	440	353	321	204	153	122	103	89,4	78,7	70,6	64	58,7	46,6	37,1	32,5	22,5	17,2	12,2	9,52	6,71
1,650 V/C	620	620	620	582	450	360	321	207	154	123	104	89,7	79,2	71	64,3	59,1	46,9	37,4	32,7	22,6	17,3	12,3	9,55	6,73
1,630 V/C	627	627	627	594	462	367	321	208	155	123	104	90	79,6	71,3	64,7	59,4	47,1	37,4	32,8	22,7	17,4	12,3	9,57	6,75
1,600 V/C	627	627	627	594	462	367	321	208	155	123	104	90	79,6	71,3	64,7	59,4	47,1	37,4	32,8	22,7	17,4	12,3	9,58	6,76

Technical drawing



Cycle life vs. DOD

