Sonnenschein A600 SOLAR cells / A602/850 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: NGS6020850VS0FC

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 Loyd)

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_{10}

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

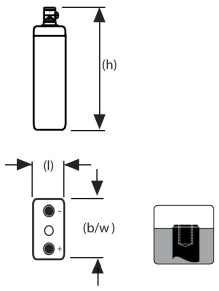
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 845Ah
Short circuit current	4300 A (IEC60896-21/22)
Internal resistance	0,48 mΩ (IEC60896-21/22)

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)	147 x 208 x 690 mm
Weight	49 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	257	257	257	245	231	201	185	151	128	112	98,3	86,7	77	69,3	63,3	58	45,4	35,5	30,8	21,4	16,6	11,8	9,29	6,57
1,870 V/C	323	323	323	311	290	244	217	167	139	120	105	92,3	81,8	73,5	66,9	61,4	48,2	37,8	32,5	22,6	17,6	12,4	9,7	6,87
1,850 V/C	357	357	357	350	314	267	238	177	146	125	109	95,8	84,8	76,1	69,5	63,5	49,7	38,9	33,5	23,3	18	12,7	9,98	7,04
1,830 V/C	400	400	400	384	340	293	257	187	152	130	113	99	87,6	78,6	71,7	65,5	51,2	39,9	34,5	23,9	18,5	13	10,2	7,2
1,800 V/C	446	446	446	425	379	324	286	200	160	136	118	103	91,3	81,9	74,5	68,1	53,3	41,6	35,8	24,8	19,1	13,5	10,5	7,4
1,770 V/C	500	500	500	471	412	353	311	212	169	142	123	107	94,5	84,8	77,2	70,4	55	42,8	37	25,6	19,7	13,9	10,8	7,59
1,750 V/C	533	533	533	500	434	369	325	219	174	145	126	109	96,5	86,5	78,6	71,8	56,2	43,8	37,7	26	20,1	14,1	11	7,71
1,730 V/C	562	562	562	531	454	389	337	226	178	148	128	111	98,2	88,1	80	73	57	44,4	38,3	26,4	20,4	14,3	11,1	7,82
1,700 V/C	607	607	607	582	486	409	353	235	184	153	131	114	100	89,9	81,9	74,5	58,2	45,3	39,1	26,9	20,7	14,5	11,3	7,91
1,670 V/C	650	650	650	624	519	431	369	243	190	156	134	116	102	91,6	83,3	75,9	59,2	46,1	39,6	27,3	21	14,7	11,4	7,99
1,650 V/C	679	679	679	661	543	443	369	248	194	158	135	117	103	92,1	83,8	76,2	59,4	46,3	39,8	27,5	21,2	14,7	11,5	8,02
1,630 V/C	713	713	713	695	568	458	369	252	196	159	136	118	103	92,5	84,2	76,5	59,7	46,5	40	27,5	21,2	14,8	11,5	8,04
1,600 V/C	713	713	713	695	568	458	369	252	196	159	136	118	103	92,5	84,2	76,5	59,7	46,5	40	27,5	21,2	14,8	11,5	8,05

Technical drawing



Cycle life vs. DOD