

Sonnenschein A600 SOLAR cells / A602/1960 C 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: NGS6021960HS0FC

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

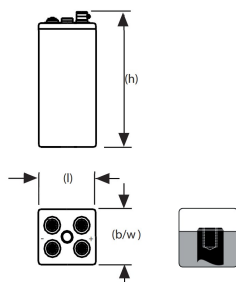
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 1994Ah
Short circuit current	9000 A (IEC60896-21/22)
Internal resistance	0,23 mΩ (IEC60896-21/22)

Terminal	2 x 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)	212 x 277 x 759 mm
Weight	106 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	530	530	530	512	491	463	417	317	267	233	200	181	163	147	134	123	100	81	70,5	49,7	38,7	27,3	21,1	14,8
1,870 V/C	664	655	655	637	601	552	507	362	289	247	220	198	180	163	148	136	111	89,2	78,2	54,8	42,5	29,7	23	16
1,850 V/C	733	733	733	714	651	599	546	401	314	266	234	209	191	173	157	145	117	93,7	82,1	57,5	44,4	30,9	23,9	16,6
1,830 V/C	821	821	821	785	693	655	589	435	338	283	247	219	199	182	166	151	122	97,3	85	59,6	46	31,9	24,7	17,1
1,800 V/C	931	931	931	875	783	712	637	478	368	303	261	232	209	191	174	159	128	101	88,4	61,9	47,7	33,1	25,4	17,7
1,770 V/C	1024	1024	1024	974	852	778	691	514	393	321	274	242	217	198	181	165	132	104	90,8	63,4	48,7	33,7	26	18
1,750 V/C	1093	1093	1093	1034	904	821	728	535	408	330	281	247	221	201	183	168	134	106	91,8	64,1	49,2	34	26,2	18,2
1,730 V/C	1167	1167	1167	1112	960	868	763	549	419	338	287	252	224	203	186	170	135	107	92,5	64,6	49,6	34,3	26,4	18,3
1,700 V/C	1268	1268	1268	1216	1022	925	814	572	433	349	293	257	228	206	189	172	137	108	93,4	65,2	50,1	34,5	26,5	18,4
1,670 V/C	1405	1405	1382	1308	1102	980	868	586	445	355	299	260	231	208	190	173	137	109	94	65,6	50,4	34,6	26,6	18,5
1,650 V/C	1501	1501	1448	1387	1162	1012	868	592	449	359	301	262	232	210	191	174	138	109	94,4	65,9	50,5	34,7	26,7	18,5
1,630 V/C	1588	1588	1546	1480	1217	1043	868	599	452	361	303	263	232	210	191	175	139	109	94,7	66,2	50,7	34,8	26,8	18,5
1,600 V/C	1588	1588	1546	1480	1217	1043	868	599	452	361	303	263	232	210	191	175	139	109	94,7	66,2	50,7	34,9	26,8	18,6

Technical drawing



Cycle life vs. DOD

