Sonnenschein A600 SOLAR cells / A602/2600 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: NGS6022600VS0FC

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

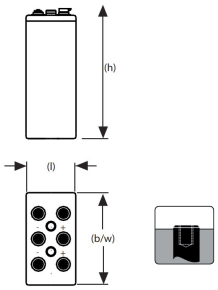
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 2613Ah
Short circuit current	10750 A (IEC60896-21/22)
Internal resistance	0,19 mΩ (IEC60896-21/22)

Terminal	3 x F M8
Terminal Torque	20 Nm
Container	UL 94-V0 (ABS)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	216 x 400 x 816 mm
Weight	149 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	656	656	656	636	607	583	547	412	346	300	255	226	204	187	171	157	126	102	90,1	63,3	49,7	35	27,4	19,5
1,870 V/C	790	790	790	776	754	706	635	464	389	329	288	253	227	206	190	175	140	112	98,2	68,6	53,7	37,8	29,5	20,9
1,850 V/C	979	979	979	923	821	752	688	508	420	352	307	269	240	218	200	185	147	118	103	71,8	56,2	39,6	30,8	21,8
1,830 V/C	1067	1067	1067	1023	897	805	738	547	448	374	324	284	253	229	210	193	153	122	107	74,6	58,3	40,9	31,9	22,5
1,800 V/C	1215	1215	1215	1137	1022	910	801	607	475	395	341	297	264	240	220	202	161	128	112	77,8	60,7	42,4	33	23,2
1,770 V/C	1251	1251	1251	1193	1099	980	868	648	500	413	356	310	275	250	228	210	167	132	116	80,4	62,6	43,7	33,9	23,7
1,750 V/C	1288	1288	1288	1248	1175	1049	912	675	516	425	365	318	282	255	234	215	171	135	118	82	63,8	44,4	34,4	24
1,730 V/C	1384	1384	1384	1327	1236	1120	954	695	530	436	375	324	288	260	238	218	173	137	120	83	64,5	45	34,8	24,2
1,700 V/C	1479	1479	1479	1406	1323	1191	1005	710	542	445	382	331	293	264	241	221	175	139	121	84	65,3	45,4	35,2	24,5
1,670 V/C	1576	1576	1576	1467	1392	1241	1048	722	549	452	387	336	296	267	244	224	177	141	122	84,9	66,1	45,7	35,5	24,6
1,650 V/C	1576	1576	1576	1467	1392	1241	1048	722	549	452	387	336	296	267	244	224	177	141	122	84,9	66,1	45,7	35,5	24,6
1,630 V/C	1814	1814	1814	1653	1492	1345	1048	739	561	461	394	341	301	272	249	228	180	142	124	85,9	66,9	46	35,7	24,6
1,600 V/C	1814	1814	1814	1653	1492	1345	1048	739	561	461	394	341	301	272	249	228	180	142	124	85,9	66,9	46	35,7	24,6

Technical drawing



Cycle life vs. DOD