

Sonnenschein A600 SOLAR cells / A602/1130 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: NGS6021130VS0FC

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

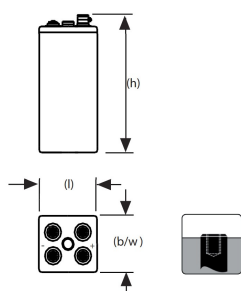
Nominal voltage	2 V
Float charge	2,3 V/C @ 20 °C
Capacity	CC 120h 1,85V/C 20°C 1126Ah
Short circuit current	4850 A (IEC60896-21/22)
Internal resistance	0,38 mΩ (IEC60896-21/22)

Terminal	2 x 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)	212 x 193 x 690 mm
Weight	66 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	342	342	342	327	308	269	246	201	170	149	131	116	103	92,3	84,4	77,4	60,5	47,4	41	28,6	22,2	15,7	12,4	8,75
1,870 V/C	431	431	431	414	386	326	290	223	185	160	140	123	109	98	89,3	81,9	64,3	50,3	43,4	30,1	23,4	16,5	12,9	9,15
1,850 V/C	475	475	475	466	419	356	317	237	194	167	145	128	113	101	92,6	84,6	66,3	51,9	44,7	31,1	24,1	17	13,3	9,39
1,830 V/C	533	533	533	512	453	390	343	249	202	173	151	132	117	105	95,6	87,3	68,2	53,2	46	31,9	24,7	17,4	13,6	9,6
1,800 V/C	594	594	594	567	506	432	381	267	214	182	157	138	122	109	99,4	90,8	71,1	55,5	47,8	33,1	25,5	18	14	9,87
1,770 V/C	667	667	667	628	549	471	415	283	225	189	164	143	126	113	103	93,9	73,3	57,1	49,4	34,2	26,3	18,5	14,4	10,1
1,750 V/C	711	711	711	667	578	491	433	293	231	194	168	146	129	115	105	95,7	74,9	58,4	50,3	34,7	26,8	18,8	14,6	10,3
1,730 V/C	750	750	750	708	605	518	449	302	237	198	171	149	131	117	107	97,3	76	59,2	51	35,2	27,2	19	14,8	10,4
1,700 V/C	809	809	809	775	649	545	471	314	246	204	175	152	134	120	109	99,3	77,6	60,4	52,1	35,9	27,7	19,3	15	10,6
1,670 V/C	867	867	867	833	692	575	492	324	254	209	179	155	136	122	111	101	78,9	61,5	52,8	36,4	28,1	19,5	15,2	10,7
1,650 V/C	906	906	906	882	725	591	492	330	258	210	181	156	137	123	112	102	79,2	61,7	53,1	36,6	28,2	19,6	15,3	10,7
1,630 V/C	951	951	951	927	758	611	492	335	262	212	181	157	138	123	112	102	79,6	62	53,3	36,7	28,3	19,7	15,3	10,7
1,600 V/C	951	951	951	927	758	611	492	335	262	212	181	157	138	123	112	102	79,6	62	53,3	36,7	28,3	19,7	15,3	10,7

Technical drawing



Cycle life vs. DOD

