

## Sonnenschein A600

### More than just OPzV

Sonnenschein A600 has extraordinary energy-saving features in addition with robust reliability, proven for decades in many installations worldwide.

#### Your benefits:

- > **dryfit Gel** – VRLA technology
- > **Lowest energy consumption** – saving costs
- > **Robust design** – resilient in harsh conditions
- > **Proof against deep discharge** – greater long-term energy delivery
- > **Strong tubular plate design** – extremely long design life
- > **Horizontal mounting possible** – easy installation and maintenance
- > **Completely recyclable** – low CO<sub>2</sub> footprint



#### Specifications:

- > Very low gassing due to internal gas recombination
- > Nominal capacity 100 – 3286 Ah C<sub>10</sub>
- > Design life: 15 years for 6/12 V blocks and 20 years for 2 V cells at 20 °C (80 % remaining capacity from C<sub>10</sub>)
- > Available as standard or flame retardant version (UL 94-V0)
- > Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- > Cells in compliance with DIN 40 742
- > Blocks in compliance with DIN 40 744
- > Designed in accordance with IEC 60896-21/-22
- > Manufactured in Europe in our ISO 9001 certified production plants



Design life in years:  
15 for blocks  
20 for cells



Nominal capacity  
100 – 3286 Ah



Block battery /  
single cell



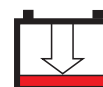
Tubular plate



Recyclable



Valve regulated  
lead-acid  
batteries



Proof  
against deep  
discharge



Maintenance-  
free (no  
topping up)

## Sonnenschein A600

### Technical data

#### Technical characteristics and data

Type	Part number	Type acc. to 1DIN 40 742 2DIN 40 744	Nom. voltage  V	Nominal capacity C <sub>10</sub> 1.80 Vpc 20 °C Ah	Length (l)  max. mm	Width (b/w)  max. mm	Height (h1)  max. mm	Height* (h2)  max. mm	Weight  approx. kg	Internal resistance  mOhm	Short circuit current  A	Terminal	Pole pairs
A602/225	NGA6020225HS0FA	4 OPzV 200 <sup>1</sup>	2	224	105	208	357	399	17.4	0.95	2200	F-M8	1
A602/280	NGA6020280HS0FA	5 OPzV 250 <sup>1</sup>	2	280	126	208	357	399	22.0	0.79	2700	F-M8	1
A602/335	NGA6020335HS0FA	6 OPzV 300 <sup>1</sup>	2	337	147	208	357	399	25.0	0.61	3350	F-M8	1
A602/415	NGA6020415HS0FA	5 OPzV 350 <sup>1</sup>	2	416	126	208	473	515	30.0	0.62	3300	F-M8	1
A602/500	NGA6020500HS0FA	6 OPzV 420 <sup>1</sup>	2	499	147	208	473	515	35.0	0.53	3950	F-M8	1
A602/580	NGA6020580HS0FA	7 OPzV 490 <sup>1</sup>	2	582	168	208	473	515	39.0	0.47	4400	F-M8	1
A602/750	NGA6020750HS0FA	6 OPzV 600 <sup>1</sup>	2	748	147	208	648	690	49.0	0.48	4300	F-M8	1
A602/1010	NGA6021010HS0FA	8 OPzV 800 <sup>1</sup>	2	998	212	193	648	690	66.0	0.38	4850	F-M8	2
A602/1250	NGA6021250HS0FA	10 OPzV 1000 <sup>1</sup>	2	1248	212	235	648	690	80.0	0.33	6250	F-M8	2
A602/1510	NGA6021510HS0FA	12 OPzV 1200 <sup>1</sup>	2	1497	212	277	648	690	95.0	0.29	7850	F-M8	2
A602/1650C	NGA6021650HS0FA	12 OPzV 1500 <sup>1</sup>	2	1643	212	277	717	759	106	0.23	9000	F-M8	2
A602/2200	NGA6022200HS0FA	16 OPzV 2000 <sup>1</sup>	2	2190	216	400	775	816	149	0.19	10750	F-M8	3
A602/2740	NGA6022740HS0FA	20 OPzV 2500 <sup>1</sup>	2	2738	214	489	774	816	190	0.16	13400	F-M8	4
A602/3300	NGA6023300HS0FA	24 OPzV 3000 <sup>1</sup>	2	3286	214	578	774	816	238	0.10	16100	F-M8	4
A606/200	NGA6060200HS0FB	6V 4 OPzV 200 <sup>2</sup>	6	200	272	206	323	347	45.7	2.71	1707	F-M8	1
A606/300	NGA6060300HS0FB	6V 6 OPzV 300 <sup>2</sup>	6	300	380	206	323	347	65.4	1.90	2614	F-M8	1
A612/100	NGA6120100HS0FB	12V 2 OPzV 100 <sup>2</sup>	12	100	272	206	323	347	46.2	9.68	1934	F-M8	1
A612/150	NGA6120150HS0FB	12V 3 OPzV 150 <sup>2</sup>	12	150	380	206	323	347	66.9	6.43	2896	F-M8	1

\*includes installed connector

#### Approval, container, terminal and torque

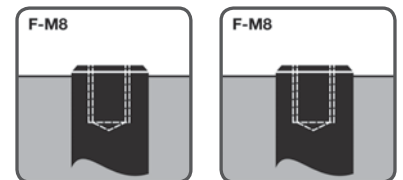
##### > Approval:

##### Blocks:

- DIN/Gost/TÜV, Russia

##### Cells:

- Underwriters Laboratories (UL), USA  
 - DNV GL (Germanischer Lloyd)  
 - DIN/Gost/TÜV, Russia  
 - By many Telecom organisations worldwide



blocks – 12 Nm

cells – 20 Nm

Data are also valid for UL 94-V0 version.

Change »H« to »V« in the part number. E.g.:

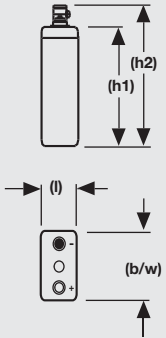
> **Standard:** NGA6120100 H S0FB

> **UL 94-V0:** NGA6120100 V S0FB

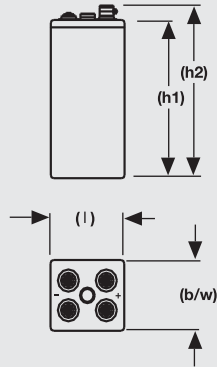
# Sonnenschein A600

## Drawings

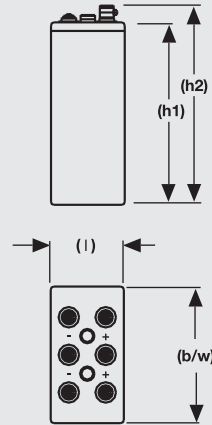
**A602/225 -  
A602/750**



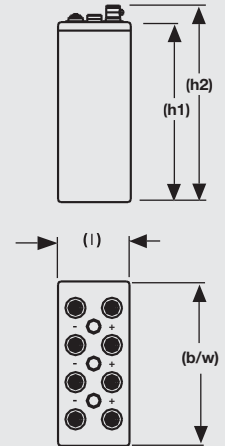
**A602/1010 -  
A602/1650C**



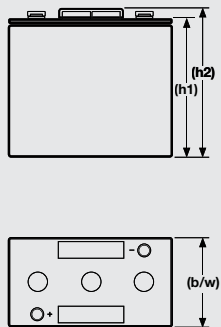
**A602/2200**



**A602/2740 -  
A602/3300**



**A606/200 -  
A606/300**



**A612/100 -  
A612/150**

