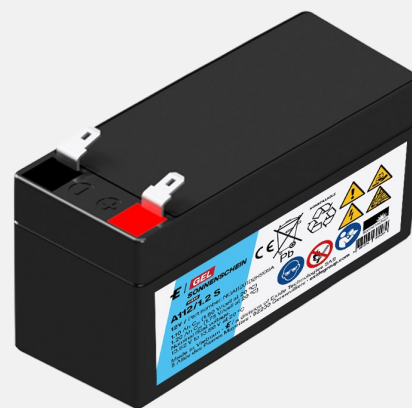


Sonnenschein Hybrid A112/1.2 S

Technical data sheet

Batteries of the Sonnenschein Hybrid A100 range provide high capacities for many different applications. The success of A100 batteries comes from the Gel technology, available in a wide range of models to provide a solution for every power need.

Part Number: NGA11201D2HS0SA



Applications



Emergency &
Security



Railway



Security



Telecom Good-
grid



UPS -
Datacenter



UPS - non
Datacenter

Attention: The batteries with a weight of ≤ 5 kg may only be used for industrial purposes. Use for non-industrial purposes is excluded.

- Rechargeable VRLA batteries in Gel/AGM technology
- Nominal capacity: 1.2 -17 Ah C₂₀
- Excellent energy storage capacity combined with
- Grid plate construction with high quality lead-calcium-tin alloy, specially designed for enhanced energy density
- Very low gas emission due to high gas recombination
- "10/12 years - Long Life" according to EUROBAT 2022 classification
- Low self-discharge rate (about 3% / month at 20°C)
- Container in Flame Retardant ABS-UL 94 HB material
- Superior cycling performance
- Designed in accordance with IEC 60896-21/22
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)



Design life
10 years



Block battery



Grid plate



Recyclable



Valve regulated
lead-acid
batteries



Proof
against deep
discharge



Maintenance
free (no
topping up)

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.



Sonnenschein Hybrid

A112/1.2 S

Technical data sheet

Technical characteristics and data

Nominal voltage	12 V	Terminal	S-4.8
Float charge	2,27 V/C at 20 °C	Container	ABS
Capacity	CC 20h 1,75V/C 20°C 1,2Ah	Temperature range	-15°C to 50°C
Internal resistance	96 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	97 x 43 x 57,5 mm
		Weight	0,6 kg
		Origin	Vietnam

Constant current discharge

A at 20 °C	5 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1,850 V/C	2,91	1,7	1,05	0,67	0,295	0,199	0,109	0,059
1,800 V/C	3,17	1,77	1,08	0,684	0,298	0,202	0,11	0,059
1,750 V/C	3,41	1,83	1,1	0,696	0,303	0,204	0,112	0,06
1,700 V/C	3,67	1,9	1,13	0,708	0,307	0,207	0,113	0,061
1,670 V/C	3,82	1,94	1,14	0,715	0,31	0,209	0,114	0,061
1,600 V/C	4,17	2,02	1,18	0,732	0,315	0,213	0,116	0,062

Constant power discharge

W/block at 20 °C	5 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
1,850 V/C	33,2	19,6	12,1	7,8	3,47	2,36	1,31	0,708
1,800 V/C	35,8	20,3	12,4	7,98	3,52	2,39	1,31	0,714
1,750 V/C	38,5	20,9	12,7	8,04	3,56	2,42	1,33	0,72
1,700 V/C	41	21,5	12,8	8,16	3,6	2,44	1,35	0,726
1,670 V/C	42,6	21,9	13,1	8,22	3,63	2,46	1,36	0,732
1,600 V/C	46	22,7	13,4	8,4	3,69	2,5	1,38	0,744