

Sonnenschein Hybrid A112/2 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: NGA1120002HS0SA

Applications



Emergency &
Security



Railway



Security



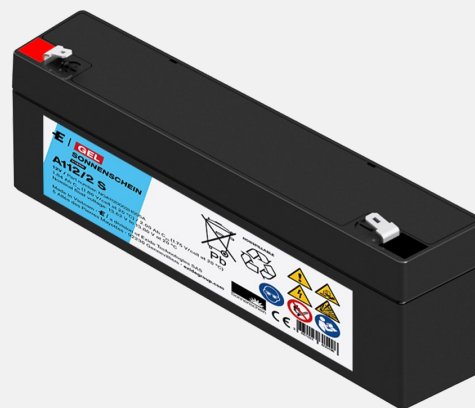
Telecom Good-
grid



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.



EXIDE Distributionscenter Frankfurt a.M.

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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 2Ah	Temperature range	-15°C to 50°C
Internal resistance	60 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	178 x 36 x 66 mm
		Weight	0,9 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	4,86	2,83	1,75	1,12	0,491	0,331	0,182	0,098
1,800 V/C	5,29	2,94	1,79	1,14	0,497	0,337	0,184	0,099
1,750 V/C	5,69	3,06	1,84	1,16	0,506	0,34	0,187	0,1
1,700 V/C	6,11	3,17	1,88	1,18	0,511	0,346	0,189	0,101
1,670 V/C	6,37	3,23	1,91	1,19	0,517	0,349	0,19	0,102
1,600 V/C	6,94	3,37	1,96	1,22	0,526	0,354	0,193	0,103

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	55,4	32,8	20,2	13	5,78	3,92	2,18	1,18
1,800 V/C	59,6	33,8	20,8	13,3	5,86	3,98	2,2	1,19
1,750 V/C	64,2	34,8	21,1	13,4	5,93	4,03	2,21	1,2
1,700 V/C	68,4	35,8	21,4	13,6	5,99	4,06	2,24	1,21
1,670 V/C	70,8	36,5	21,8	13,7	6,06	4,1	2,26	1,22
1,600 V/C	76,8	37,9	22,3	14	6,18	4,16	2,3	1,24

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