

Sonnenschein Hybrid A112/12 SR

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: NGA1120012HS0RA



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 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.



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Technical characteristics and data

Nominal voltage	12 V	Terminal	SR-6.3
Float charge	2,27 V/C at 20 °C	Container	ABS
Capacity	CC 20h 1,75V/C 20°C 13Ah	Temperature range	-15°C to 50°C
Internal resistance	25 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	181 x 77 x 167 mm
		Weight	5 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	23,5	15,1	10,6	6,56	2,85	2	1,12	0,6
1,800 V/C	26,7	17,1	11,5	6,8	3,1	2,1	1,2	0,64
1,750 V/C	29	18,5	11,8	7,14	3,15	2,14	1,21	0,65
1,700 V/C	31	19,7	12	7,28	3,21	2,17	1,22	0,66
1,670 V/C	32,1	20,2	12,2	7,39	3,25	2,22	1,24	0,67
1,600 V/C	33,2	20,9	12,4	7,5	3,27	2,26	1,25	0,68

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	263	172	122	76,2	33,4	23,6	13,4	7,3
1,800 V/C	295	191	131	78,6	36,1	24,8	14	7,7
1,750 V/C	314	205	133	82,2	36,7	25,1	14,1	7,9
1,700 V/C	331	215	134	83,4	37,2	25,4	14,3	8
1,670 V/C	336	218	136	84	37,4	25,9	14,4	8,1
1,600 V/C	340	221	136	84,6	37,6	26,2	14,5	8,2