

Sonnenschein Hybrid A112/8.5 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: NGA11208D5HS0RA



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.



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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 9,2Ah	Temperature range	-15°C to 50°C
Internal resistance	16 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	151 x 98,5 x 101 mm
		Weight	3,5 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	22,4	13,1	8,08	5,16	2,27	1,53	0,841	0,453
1,800 V/C	24,4	13,6	8,29	5,27	2,3	1,56	0,85	0,458
1,750 V/C	26,3	14,1	8,49	5,36	2,34	1,57	0,862	0,462
1,700 V/C	28,2	14,7	8,67	5,45	2,36	1,6	0,871	0,467
1,670 V/C	29,4	14,9	8,8	5,5	2,39	1,61	0,878	0,47
1,600 V/C	32,1	15,6	9,07	5,64	2,43	1,64	0,891	0,477

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	256	151	93,6	60	26,7	18,1	10,1	5,44
1,800 V/C	275	156	96	61,2	27,1	18,4	10,1	5,49
1,750 V/C	296	161	97,2	61,8	27,4	18,6	10,2	5,54
1,700 V/C	316	166	99	63	27,7	18,8	10,4	5,6
1,670 V/C	328	169	101	63,6	28	18,9	10,4	5,64
1,600 V/C	354	175	103	64,8	28,4	19,3	10,6	5,72