

Sonnenschein Hybrid A112/6.5 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: NGA11206D5HS0SA



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	S-4.8
Float charge	2,27 V/C at 20 °C	Container	ABS
Capacity	CC 20h 1,75V/C 20°C 6,5Ah	Temperature range	-15°C to 50°C
Internal resistance	20 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	151 x 65 x 100 mm
		Weight	2,4 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	15,8	9,19	5,68	3,63	1,6	1,08	0,592	0,319
1,800 V/C	17,2	9,56	5,83	3,71	1,62	1,1	0,598	0,322
1,750 V/C	18,5	9,94	5,97	3,77	1,64	1,11	0,606	0,325
1,700 V/C	19,9	10,3	6,1	3,84	1,66	1,12	0,613	0,329
1,670 V/C	20,7	10,5	6,19	3,87	1,68	1,13	0,618	0,331
1,600 V/C	22,6	11	6,38	3,97	1,71	1,15	0,627	0,335

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	180	106	66	42,4	18,8	12,8	7,08	3,82
1,800 V/C	194	110	67,2	43,1	19,1	12,9	7,14	3,86
1,750 V/C	208	113	68,4	43,7	19,3	13,1	7,2	3,9
1,700 V/C	223	116	69,6	44,3	19,5	13,2	7,32	3,94
1,670 V/C	230	119	70,8	44,7	19,7	13,3	7,38	3,97
1,600 V/C	249	123	72,6	45,5	20	13,6	7,44	4,02