

Sonnenschein Hybrid A112/5.5 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: NGA11205D5HS0RA



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
 Float charge 2,27 V/C at 20 °C
 Capacity CC 20h 1,75V/C 20°C 6Ah
 Internal resistance 21 mΩ (IEC60896-21/22)

Terminal SR-6.3
 Container ABS
 Temperature range -15°C to 50°C
 Dimensions (l x b/w x h) 151 x 65 x 100 mm
 Weight 2,3 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	14,5	8,46	5,23	3,34	1,47	0,991	0,544	0,293
1,800 V/C	15,8	8,8	5,36	3,41	1,49	1,01	0,55	0,296
1,750 V/C	17	9,14	5,49	3,47	1,51	1,02	0,558	0,299
1,700 V/C	18,3	9,48	5,61	3,53	1,53	1,03	0,564	0,302
1,670 V/C	19,1	9,65	5,7	3,56	1,55	1,04	0,568	0,304
1,600 V/C	20,8	10,1	5,87	3,65	1,57	1,06	0,577	0,308

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	166	97,8	60,6	39	17,3	11,8	6,48	3,52
1,800 V/C	178	101	61,8	39,6	17,5	11,9	6,54	3,55
1,750 V/C	192	104	63	40,2	17,8	12,1	6,6	3,59
1,700 V/C	205	107	64,2	40,7	17,9	12,1	6,72	3,62
1,670 V/C	212	109	64,8	41,1	18,1	12,2	6,78	3,65
1,600 V/C	229	113	66,6	41,9	18,4	12,5	6,84	3,7