

Sonnenschein Hybrid A112/16 G5

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: NGA1120016HS0BA



Applications



Emergency &
Security



Railway



Security



Telecom Good-
grid



UPS -
Datacenter



UPS - non
Datacenter

- 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
 Float charge 2,27 V/C at 20 °C
 Capacity CC 20h 1,75V/C 20°C 17Ah
 Internal resistance 18 mΩ (IEC60896-21/22)

Terminal G-M5
 Terminal Torque 5 Nm
 Container ABS
 Temperature range -15°C to 50°C
 Dimensions (l x b/w x h) 181 x 77 x 167 mm
 Weight 5,6 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	41	24	15	9,5	4,1	2,82	1,55	0,83
1,800 V/C	45	24	15	9,7	4,2	2,87	1,56	0,84
1,750 V/C	48	26	16	9,9	4,3	2,89	1,59	0,85
1,700 V/C	52	27	16	10	4,4	2,94	1,6	0,86
1,670 V/C	54	28	16	10,1	4,4	2,96	1,62	0,87
1,600 V/C	59	29	17	10,4	4,5	3	1,64	0,88

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	470	278	172	111	49,1	33,4	18,5	10
1,800 V/C	507	287	176	113	49,9	33,8	18,7	10,1
1,750 V/C	545	296	179	114	50,4	34,3	18,8	10,2
1,700 V/C	581	305	182	116	51	34,6	19,1	10,3
1,670 V/C	606	310	185	117	51,4	34,8	19,3	10,4
1,600 V/C	654	322	190	119	52,3	35,4	19,5	10,5