Sonnenschein Hybrid A106/10 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: NGA1060010HS0SA

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 C_{20}
- 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	6 V	Terminal	S-4.8
Float charge	2,27 V/C at 20 °C	Container	ABS
Capacity	CC 20h 1,75V/C 20°C 10Ah	Temperature range	-15°C to 50°C
Internal resistance	8 mΩ (IEC60896-21/22)	Dimensions (l x b/w x h)	151 x 50 x 100 mm
		Weight	1,8 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	24,3	14,1	8,74	5,59	2,46	1,66	0,91	0,49
1,800 V/C	26,4	14,7	8,97	5,7	2,49	1,69	0,92	0,496
1,750 V/C	28,4	15,3	9,19	5,8	2,53	1,7	0,933	0,5
1,700 V/C	30,6	15,9	9,39	5,9	2,56	1,73	0,943	0,506
1,670 V/C	31,9	16,1	9,53	5,96	2,59	1,74	0,95	0,509
1,600 V/C	34,7	16,9	9,81	6,1	2,63	1,77	0,964	0,516

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	138	82	51	33	14	9,8	5,4	2,9
1,800 V/C	149	84	52	33	15	9,9	5,5	3
1,750 V/C	160	87	53	34	15	10,1	5,5	3
1,700 V/C	171	90	54	34	15	10,2	5,6	3
1,670 V/C	177	91	54	35	15	10,2	5,7	3,1
1,600 V/C	192	95	56	35	15	10,4	5,7	3,1