

# 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  $\leq 5$  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<sub>20</sub>
- 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.



### EXIDE Distributionscenter Frankfurt a.M.

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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  |

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