

## Sonnenschein A600 blocks / A606/200

### INDUSTRIAL BATTERIES / NETWORK POWER

Sonnenschein A600 has extraordinary energy-saving features in addition with robust reliability, proven for decades in many installations worldwide.

**Part Number: NGA6060200HS0FB**

#### APPLICATIONS



#### SPECIFICATIONS

- Very low gassing due to internal gas recombination
- 15 years design life at 20°C ambient temperature (80% remaining capacity from C<sub>10</sub>)
- Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- Available as standard or flame retardant version (UL 94-V0)
- Blocks in compliance with DIN 40 744
- Designed in accordance with IEC 60896-21/-22
- Manufactured in Europe in our ISO 9001 certified production plants



Design life  
15 years



Block  
battery



Tubular 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 leadacid batteries has been developed to ensure a safe and responsible life cycle for all of its products.



For more information please  
[contact your local dealer](#)

## TECHNICAL CHARACTERISTICS AND DATA

|                              |                          |
|------------------------------|--------------------------|
| <b>Nominal voltage</b>       | 6 V                      |
| <b>Float charge</b>          | 2,27 V/C @ 20 °C         |
| <b>Capacity</b>              | CC 10h 1,8V/C 20°C 200Ah |
| <b>Short circuit current</b> | 1707 A (IEC60896-21/22)  |
| <b>Internal resistance</b>   | 2,71 mΩ (IEC60896-21/22) |

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Terminal</b>                 | F-M8                     |
| <b>Terminal Torque</b>          | 12 Nm                    |
| <b>Container</b>                | UL 94-HB (Polypropylene) |
| <b>Temperature range</b>        | -40°C to 55°C            |
| <b>Dimensions (l x b/w x h)</b> | 272 x 206 x 347 mm       |
| <b>Weight</b>                   | 45,7 kg                  |
| <b>Origin</b>                   | La Cartuja, Spain        |

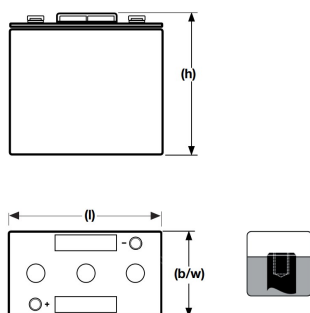
## CONSTANT POWER DISCHARGE

| W @ 20 °C | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h |
|-----------|-------|--------|--------|--------|-----|-----|-----|-----|-----|-----|------|
| 1,870 V/C | 999   | 915    | 774    | 654    | 468 | 324 | 247 | 201 | 171 | 118 | 98   |
| 1,830 V/C | 1131  | 999    | 900    | 729    | 516 | 342 | 261 | 211 | 179 | 124 | 102  |
| 1,800 V/C | 1254  | 1098   | 993    | 816    | 567 | 363 | 277 | 220 | 185 | 128 | 106  |
| 1,750 V/C | 1335  | 1206   | 999    | 834    | 597 | 372 | 280 | 224 | 189 | 129 | 106  |
| 1,700 V/C | 1428  | 1314   | 1170   | 918    | 627 | 390 | 284 | 225 | 190 | 129 | 106  |
| 1,650 V/C | 1575  | 1386   | 1230   | 933    | 627 | 390 | 284 | 225 | 190 | 129 | 106  |

## CONSTANT CURRENT DISCHARGE

| A @ 20 °C | 5 min | 10 min | 15 min | 30 min | 1 h  | 2 h  | 3 h  | 4 h  | 5 h  | 8 h  | 10 h |
|-----------|-------|--------|--------|--------|------|------|------|------|------|------|------|
| 1,900 V/C | 146   | 135    | 126    | 105    | 79,5 | 54,2 | 41,7 | 34,3 | 29,3 | 20,8 | 17,6 |
| 1,870 V/C | 171   | 157    | 146    | 120    | 89,1 | 59,3 | 45,1 | 36,8 | 31,3 | 22   | 18,6 |
| 1,850 V/C | 188   | 172    | 159    | 130    | 95   | 62,2 | 47   | 38,2 | 32,4 | 22,7 | 19,1 |
| 1,830 V/C | 205   | 187    | 173    | 140    | 100  | 64,8 | 48,6 | 39,3 | 33,3 | 23,2 | 19,5 |
| 1,800 V/C | 231   | 210    | 192    | 153    | 107  | 67,9 | 50,5 | 40,7 | 34,3 | 23,8 | 20   |
| 1,770 V/C | 257   | 232    | 211    | 165    | 113  | 70,3 | 51,9 | 41,7 | 35,1 | 24,3 | 20,3 |
| 1,750 V/C | 274   | 246    | 223    | 172    | 116  | 71,5 | 52,7 | 42,2 | 35,5 | 24,5 | 20,5 |
| 1,730 V/C | 291   | 260    | 235    | 179    | 119  | 72,5 | 53,2 | 42,6 | 35,8 | 24,7 | 20,6 |
| 1,700 V/C | 317   | 281    | 252    | 188    | 122  | 73,6 | 53,9 | 43   | 36,1 | 24,9 | 20,8 |
| 1,670 V/C | 342   | 301    | 267    | 195    | 125  | 74,4 | 54,3 | 43,3 | 36,3 | 25   | 20,9 |
| 1,650 V/C | 359   | 314    | 277    | 199    | 126  | 74,8 | 54,5 | 43,5 | 36,4 | 25,1 | 20,9 |
| 1,630 V/C | 376   | 326    | 285    | 202    | 127  | 75,1 | 54,7 | 43,6 | 36,5 | 25,1 | 21   |
| 1,600 V/C | 400   | 343    | 297    | 206    | 128  | 75,5 | 54,9 | 43,7 | 36,6 | 25,2 | 21   |

## Technical drawing



## Cycle life vs. DOD

