

# Sonnenschein A400 / A406/165A

## INDUSTRIAL BATTERIES / NETWORK POWER

The Sonnenschein A400 range is a reference for energy storage, with proven reliability in many installations worldwide. The success of A400 batteries comes from the superior dryfit technology, available in a wide range of models to provide a solution for every power need.

**Part Number: NGA4060165HS0CA**

### APPLICATIONS



### SPECIFICATIONS

- Exceptional energy storage capacity combined with long life
- Thick grid plates with high quality lead calcium alloy, for enhanced corrosion resistance and stability
- Very low gassing due to the internal gas recombination
- Classification according to EUROBAT 2015: "> 12 years – Very Long Life"
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- 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)
- Approval: UL (Underwriters Laboratories)
- Manufactured in Europe in our ISO 9001 certified production plants



Design life  
15 years for  
blocks ≥ 20 Ah  
12 years for  
blocks < 20 Ah



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.



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>	CP 10min 1,6V/C 20°C 1588W/Bloc CC 10h 1,8V/C 20°C 165Ah
<b>Short circuit current</b>	2800 A (IEC60896-21/22)
<b>Internal resistance</b>	2,1 mΩ (IEC60896-21/22)

<b>Terminal</b>	A
<b>Terminal Torque</b>	8 Nm
<b>Container</b>	PP (Polypropylene)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	246 x 192 x 275 mm
<b>Weight</b>	28 kg
<b>Origin</b>	Büdingen, Germany

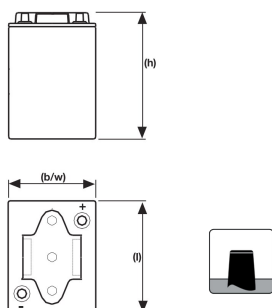
## CONSTANT POWER DISCHARGE

W @ 20 °C	2 min	3 min	5 min	7 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h
1,850 V/C	1310	1263	1171	1096	1006	875	798	690	543	459	293	222
1,800 V/C	1622	1548	1414	1315	1184	1020	901	769	596	494	318	241
1,750 V/C	1850	1781	1629	1493	1356	1146	981	797	623	512	337	247
1,700 V/C	1993	1913	1778	1636	1455	1230	1036	814	637	522	339	247
1,650 V/C	2162	2055	1879	1734	1527	1278	1067	828	643	525	341	248
1,600 V/C	2351	2203	1987	1828	1588	1308	1086	836	646	527	342	249

## CONSTANT CURRENT DISCHARGE

A @ 20 °C	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
1,850 V/C	196	163	143	131	115	98	82	53	41	32,4	27	18,1	15,9
1,800 V/C	243	211	180	158	132	109	88	56	43,1	33,9	28,2	18,8	16,5
1,750 V/C	290	246	210	180	143	115	92	58	43,7	34,4	28,6	19,1	16,6
1,700 V/C	332	273	233	198	152	119	94	58	44	34,6	28,7	19,1	16,6
1,650 V/C	389	301	248	210	157	121	95	59	44	34,6	28,7	19,1	16,6
1,600 V/C	422	318	256	215	160	122	96	59	44	34,6	28,7	19,1	16,6

## Technical drawing



## Float Voltage vs Temperature

