

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 (Underwriter 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 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

Nominal voltage	6 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 1588W/Bloc CC 10h 1,8V/C 20°C 165Ah
Short circuit current	2800 A (IEC60896-21/22)
Internal resistance	2,1 mΩ (IEC60896-21/22)

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

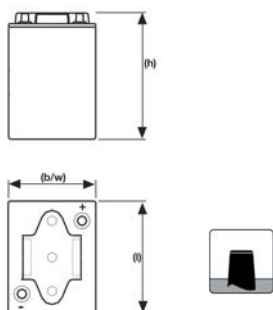
CONSTANT POWER DISCHARGE

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

