

Sonnenschein A400 / A406/165F10

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: NGA4060165HS0FA

APPLICATIONS



SPECIFICATIONS

Attention: The batteries with a weight of ≤ 5 kg may only be used for industrial purposes. Use for non-industrial purposes is excluded.

- 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 2022: "> 12 years – Very Long Life"
- Designed in accordance with IEC 60896-21/-22
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- 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

Nominal voltage	6 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 1301W/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	F-M10
Terminal Torque	17 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	246 x 192 x 282 mm
Weight	28,5 kg
Origin	Büdingen, Germany

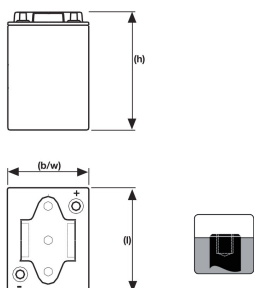
CONSTANT POWER DISCHARGE

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	4 h	5 h	8 h	10 h	24 h
1,850 V/C	979	967	942	918	882	821	761	639	541	468	320	234	190	162	104	86,6	37
1,800 V/C	1163	1142	1102	1062	1002	902	841	726	584	512	337	249	198	167	107	88,3	38
1,750 V/C	1292	1270	1225	1180	1113	1001	892	780	621	539	346	259	203	171	108	89,2	38,8
1,700 V/C	1382	1359	1313	1267	1198	1083	968	818	649	553	350	264	205	173	110	90,1	39,4
1,650 V/C	1446	1423	1376	1329	1259	1141	1024	843	671	561	352	266	207	176	112	90,9	39,7
1,600 V/C	1494	1470	1422	1374	1301	1181	1061	858	683	565	354	268	211	178	113	91,8	39,9

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	24 h
1,850 V/C	175	153	143	131	115	98	82	53	41	32,4	27	18,1	15,9	7
1,800 V/C	211	200	180	158	132	109	88	56	43	33,9	28,2	18,8	16,5	7
1,750 V/C	250	226	210	180	143	115	92	58	43,7	34,4	28,5	19,1	16,6	7
1,700 V/C	280	253	233	198	152	119	93,9	58	43,9	34,6	28,7	19,1	16,6	7
1,650 V/C	290	270	245	210	157	121	95	59	43,9	34,6	28,7	19,1	16,6	7
1,600 V/C	300	275	250	215	160	122	96	59	44	34,6	28,7	19,1	16,6	7

Technical drawing



Float voltage vs. temperature

