

Sonnenschein A400 / A412/32F10

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: NGA4120032HS0FA

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	12 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 756W/Bloc CC 10h 1,8V/C 20°C 32Ah
Short circuit current	784 A (IEC60896-21/22)
Internal resistance	15 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)	210 x 175 x 181 mm
Weight	14,1 kg
Origin	Büdingen, Germany

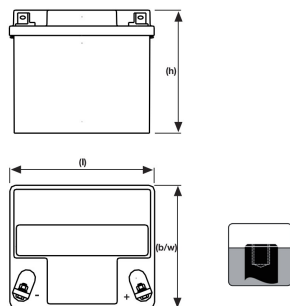
CONSTANT POWER DISCHARGE

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	747	696	638	585	531	454	403	333	259	213	151	104	81	66	44	36	16
1,800 V/C	909	840	745	683	618	514	443	365	280	232	159	107	84	69	46	38	16
1,750 V/C	1026	943	830	739	649	549	474	385	291	240	164	109	86	70	48	39	16
1,700 V/C	1117	1040	904	789	702	590	495	394	299	244	164	110	87	70	48	39	16
1,650 V/C	1219	1121	962	841	733	609	512	397	302	248	164	110	87	71	48	39	16
1,600 V/C	1307	1223	1019	877	756	622	521	403	306	250	165	110	87	71	48	39	16

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	63,6	51,6	39,7	38,4	31,6	23,7	19,2	11,4	8,32	6,84	5,71	3,83	3,2	1,25
1,800 V/C	75,6	61,2	46,4	43,2	33,9	26	21,5	12,2	8,83	7,21	5,99	4,02	3,2	1,25
1,750 V/C	87,6	68,4	50,8	46,8	35	27,1	22	12,3	8,92	7,36	6,07	4,05	3,2	1,25
1,700 V/C	101	73,2	55,2	50,4	37,1	28,3	22,4	12,3	9,04	7,42	6,09	4,02	3,2	1,25
1,650 V/C	113	78	57,4	51,6	38,3	28,3	22,4	12,3	9,13	7,5	6,15	4,02	3,2	1,25
1,600 V/C	121	81,6	59,6	52,8	38,3	28,3	22,4	12,4	9,14	7,5	6,15	4,02	3,2	1,25

Technical drawing



Float voltage vs. temperature

