

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

- 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	12 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 687W/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

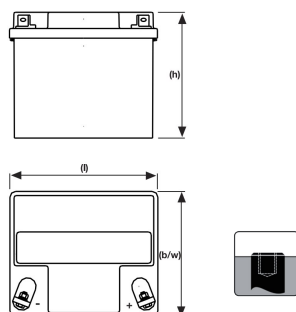
CONSTANT POWER DISCHARGE

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
1,850 V/C	680	634	580	532	483	414	366	304	234	194	128	92
1,800 V/C	826	764	677	621	562	468	403	332	252	207	135	98
1,750 V/C	959	881	776	691	613	509	431	350	263	215	139	99
1,700 V/C	1064	990	861	752	639	537	450	358	269	219	139	100
1,650 V/C	1161	1069	916	801	667	554	462	362	273	221	139	100
1,600 V/C	1245	1143	952	835	687	565	469	366	276	223	140	101

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	53	43	36	32	28	21	17	11	8,1	6,5	5,4	3,7	3
1,800 V/C	63	51	42	36	30	23	19	12	8,6	6,8	5,7	3,9	3,2
1,750 V/C	73	57	46	39	31	24	19	12	8,8	6,9	5,8	3,9	3,2
1,700 V/C	84	61	50	42	32	25	20	12	8,9	7	5,8	3,9	3,2
1,650 V/C	94	65	52	43	33	25	20	12	8,9	7	5,8	3,9	3,2
1,600 V/C	101	68	54	44	33	25	20	12	8,9	7	5,8	3,9	3,2

Technical drawing



Float Voltage vs Temperature

