

Sonnenschein A500 / A512/40G6

INDUSTRIAL BATTERIES / NETWORK POWER

Batteries of the Sonnenschein A500 range provide high capacities for many different applications. This range has been successfully in use for over twenty years in many installations worldwide. The success of A500 batteries comes from the superior dryfit technology, available in a wide range of models to provide a solution for every power need.

Part Number: NGA5120040HS0BA

APPLICATIONS



SPECIFICATIONS

- Excellent energy storage capacity combined with high reliability
- Grid plate construction with high quality lead calcium alloy, specially designed for enhanced energy density
- Very low gassing due to the internal gas recombination
- Design life: »10-12 Years – Long Life« according to EUROBAT 2015 classification
- Shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- Superior cycling performance
- Designed in accordance with IEC 60896-21/-22
- Approval: UL (Underwriter Laboratories)
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- Manufactured in Europe in our ISO 9001 certified production plants



Design life
10 - 12 years
- Long Life



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 ofits products.

EXIDE Distributionscenter Frankfurt a.M.

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GNB[®]
INDUSTRIAL POWER
A Division of Exide Technologies

Sonnenschein

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,3 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 923W/Bloc CC 10h 1,8V/C 20°C 36Ah
Short circuit current	770 A (IEC60896-21/22)
Internal resistance	16,5 mΩ (IEC60896-21/22)

Terminal	G-M6
Terminal Torque	6 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	210 x 175 x 175 mm
Weight	14,2 kg
Origin	Büdingen, Germany

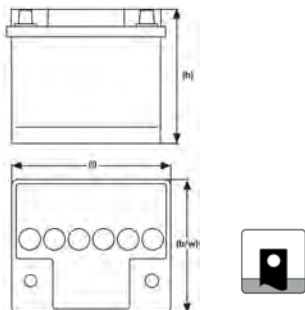
CONSTANT POWER DISCHARGE

W @ 20 °C	3 min	5 min	10 min	15 min	20 min	30 min	45 min	1 h	90 min
1,850 V/C	958	848	703	578	490	395	300	243	178
1,800 V/C	1092	1007	758	646	538	415	318	255	186
1,750 V/C	1226	1074	822	691	569	432	326	261	189
1,700 V/C	1391	1157	870	719	587	441	331	264	191
1,650 V/C	1514	1235	902	729	597	446	333	265	192
1,600 V/C	1577	1299	923	735	603	449	334	266	192

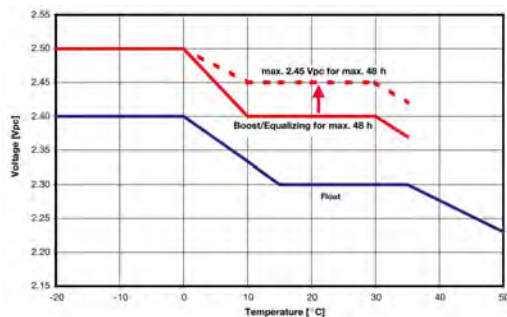
CONSTANT CURRENT DISCHARGE

A @ 20 °C	5 min	10 min	15 min	20 min	30 min	1 h	2 h	3 h	5 h	8 h	10 h
1,850 V/C	75	63	50	42	34	22	12	8,8	6,4	4,3	3,5
1,800 V/C	86	69	57	47	36	23	13	9,2	6,7	4,4	3,6
1,750 V/C	103	74	61	50	37	24	13	9,4	6,8	4,5	3,7
1,700 V/C	115	79	64	52	38	24	13	9,5	6,8	4,5	3,7
1,650 V/C	121	82	66	53	39	24	13	9,5	6,8	4,5	3,7
1,600 V/C	127	85	67	54	39	24	13	9,5	6,8	4,5	3,7

Technical drawing



Float Voltage vs Temperature



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