Sonnenschein A500 / A512/60G6

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: NGA5120060HS0BA

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

02/2020

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,3 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 1439W/Bloc
	CC 10h 1,8V/C 20°C 56Ah
Short circuit current	936 A (IEC60896-21/22)
Internal resistance	14 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)	278 x 175 x 190 mm
Weight	20,3 kg
Origin	Büdingen, Germany

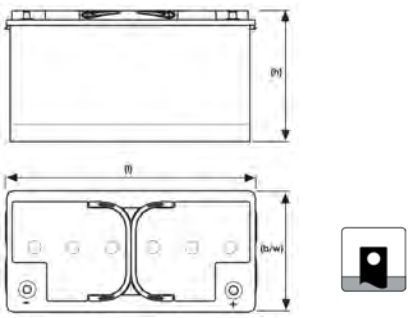
CONSTANT POWER DISCHARGE

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	1618	1414	1096	963	807	625	459	369	271
1,800 V/C	1955	1634	1181	1041	873	669	489	390	283
1,750 V/C	2267	1837	1274	1071	915	693	505	400	288
1,700 V/C	2406	2022	1348	1088	940	707	514	405	290
1,650 V/C	2548	2176	1404	1098	954	715	519	409	292
1,600 V/C	2680	2279	1439	1104	963	719	522	410	293

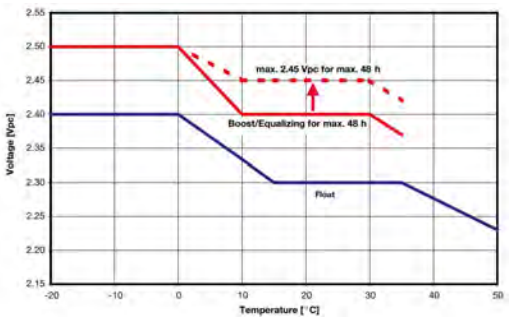
CONSTANT CURRENT DISCHARGE

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	123	101	82,4	69,2	54,2	33,8	21,5	15,3	9,9	6,6	5,4
1,800 V/C	146	109	91,9	75,9	58,1	35,5	22,3	15,8	10,3	6,8	5,6
1,750 V/C	168	118	98,3	80,4	60,5	36,4	22,7	16,1	10,4	6,9	5,6
1,700 V/C	178	125	102	82,6	61,6	36,9	22,9	16,2	10,4	6,9	5,6
1,650 V/C	185	130	103	83,2	61,7	37,1	23	16,2	10,4	6,9	5,6
1,600 V/C	191	133	103	83,5	61,8	37,2	23	16,2	10,4	6,9	5,6

Technical drawing



Float Voltage vs Temperature



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