

Sonnenschein A500 / A512/65G6

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: NGA5120065HS0BA



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 of its products.

EXIDE Distributionscenter Frankfurt a.M.

ACCU-24 Batterien & Systeme GmbH

Untergasse 5
63688 Gedern
Tel.: +49 (0) 06045 952520
Fax: +49 (0) 06045 952966

www.ACCU-24.de

info@accu-24.de

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 1443W/Bloc CC 10h 1,8V/C 20°C 62Ah
Short circuit current	1471 A (IEC60896-21/22)
Internal resistance	8,3 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)	353 x 175 x 190 mm
Weight	23 kg
Origin	Büdingen, Germany

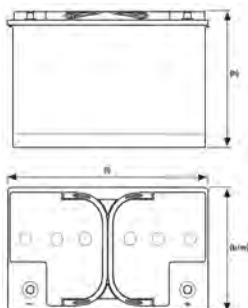
CONSTANT POWER DISCHARGE

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	1180	1113	991	861	763	659	500	411	307
1,800 V/C	1459	1316	1109	989	851	693	544	441	327
1,750 V/C	1757	1591	1223	1083	914	721	567	457	336
1,700 V/C	1959	1739	1322	1142	954	739	577	464	340
1,650 V/C	2139	1853	1395	1171	976	749	582	466	341
1,600 V/C	2315	1976	1443	1183	987	754	584	468	342

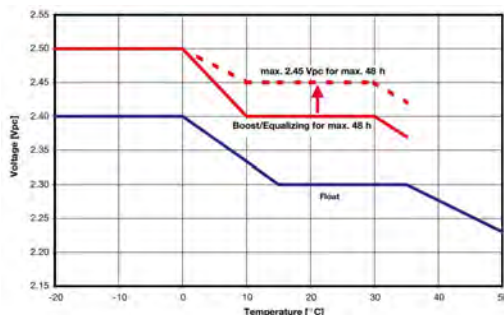
CONSTANT CURRENT DISCHARGE

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	95,8	83,1	73,9	65,8	56,4	35,8	23	16,6	11	7,4	6,1
1,800 V/C	121	100	88,1	75,4	60,4	38,6	24,3	17,4	11,5	7,5	6,2
1,750 V/C	141	111	95,7	81,9	63,8	40	24,9	17,8	11,7	7,6	6,3
1,700 V/C	158	121	104	86,2	65,9	40,6	25,1	17,9	11,7	7,6	6,3
1,650 V/C	179	130	108	88,8	67	40,9	25,2	17,9	11,7	7,6	6,3
1,600 V/C	193	136	111	90,3	67,7	41,1	25,2	18	11,7	7,6	6,3

Technical drawing



Float Voltage vs Temperature



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