

Sonnenschein A500 / A512/200A

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: NGA5120200HS0CA

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 4218W/Bloc CC 10h 1,8V/C 20°C 173Ah
Short circuit current	3370 A (IEC60896-21/22)
Internal resistance	3,8 mΩ (IEC60896-21/22)

Terminal	A
Terminal Torque	8 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	274 x 518 x 238 mm
Weight	63,5 kg
Origin	Büdingen, Germany

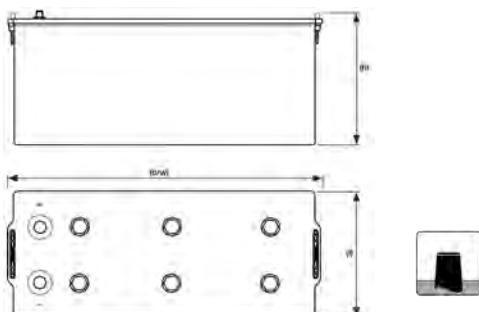
CONSTANT POWER DISCHARGE

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	4690	4102	3449	2843	2375	1800	1408	1135	875
1,800 V/C	5268	4695	3815	3040	2580	1928	1449	1191	912
1,750 V/C	5932	5092	3941	3201	2700	2002	1484	1223	933
1,700 V/C	6350	5446	4034	3302	2774	2048	1512	1245	948
1,650 V/C	6786	5736	4142	3369	2825	2081	1533	1264	959
1,600 V/C	7189	5957	4218	3413	2860	2104	1548	1279	969

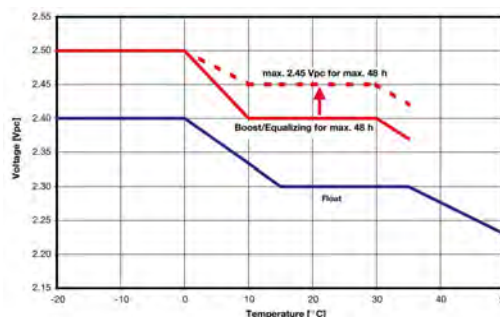
CONSTANT CURRENT DISCHARGE

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	329	274	226	196	160	104	65,1	46,6	31	20,4	16,7
1,800 V/C	381	313	258	222	176	110	68,1	48,5	32	21,1	17,3
1,750 V/C	437	349	282	237	183	115	70	49,7	32,3	21,5	17,7
1,700 V/C	486	380	300	251	191	117	71,4	50,6	32,8	21,8	17,7
1,650 V/C	531	395	313	262	198	120	72,1	51	32,8	21,8	17,7
1,600 V/C	581	411	323	269	202	121	72,4	51,1	32,8	21,8	17,7

Technical drawing



Float Voltage vs Temperature



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