

Sonnenschein A500 / A512/85A

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: NGA5120085HS0CA

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 (Underwriters 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 lead-acid 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	2,3 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 2190W/Bloc CC 20h 1,75V/C 20°C 85Ah
Short circuit current	1693 A (IEC60896-21/22)
Internal resistance	7,4 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)	330 x 171 x 236 mm
Weight	29,2 kg
Origin	Büdingen, Germany

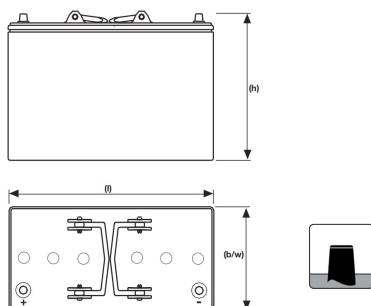
CONSTANT POWER DISCHARGE

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	1979	1802	1527	1310	1118	905	690	565	425
1,800 V/C	2279	2132	1684	1487	1245	970	740	600	447
1,750 V/C	2561	2292	1847	1557	1329	1018	768	621	460
1,700 V/C	2900	2486	1993	1607	1381	1045	786	634	469
1,650 V/C	3115	2719	2109	1663	1410	1060	797	642	474
1,600 V/C	3264	2923	2190	1700	1427	1069	804	648	477

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	168	141	119	100	78	53	30	22	14,2	9,4	7,7
1,800 V/C	193	154	135	112	85	56	32	23	14,7	9,8	8
1,750 V/C	226	169	144	120	90	58	33	23	15	9,9	8,1
1,700 V/C	244	182	149	125	93	59	33	23	15,1	9,9	8,1
1,650 V/C	259	192	152	128	94	59	33	24	15,1	9,9	8,1
1,600 V/C	273	199	155	130	95	60	33	24	15,1	9,9	8,1

Technical drawing



Float voltage vs. temperature

