

Sonnenschein A500 / A512/120A

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: NGA5120120HS0CA

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.



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 2812W/Bloc CC 10h 1,8V/C 20°C 102Ah
Short circuit current	2475 A (IEC60896-21/22)
Internal resistance	5,1 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)	189 x 513 x 223 mm
Weight	39 kg
Origin	Büdingen, Germany

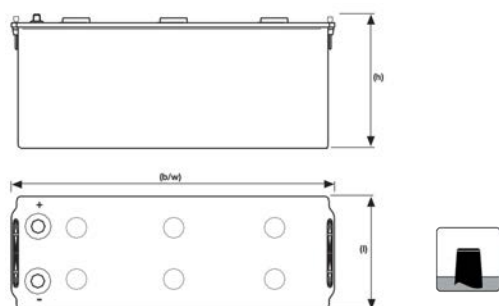
CONSTANT POWER DISCHARGE

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	3350	2862	2300	1895	1583	1200	938	757	583
1,800 V/C	3763	3276	2543	2027	1720	1285	966	794	608
1,750 V/C	4237	3552	2627	2134	1800	1334	989	815	622
1,700 V/C	4536	3800	2690	2201	1849	1365	1008	830	632
1,650 V/C	4847	4002	2761	2246	1883	1387	1022	843	640
1,600 V/C	5135	4156	2812	2276	1906	1403	1032	852	646

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	257	201	162	135	104	65,5	39,3	27,8	18,1	11,9	9,8
1,800 V/C	293	221	178	147	112	69,5	40,9	28,9	18,6	12,3	10,2
1,750 V/C	330	235	188	155	116	71,6	41,9	29,5	19	12,6	10,5
1,700 V/C	367	249	196	161	119	73,1	42,7	29,9	19,2	12,8	10,5
1,650 V/C	387	260	201	165	122	74	43,1	30,1	19,2	12,8	10,5
1,600 V/C	409	267	205	168	124	74,7	43,3	30,2	19,2	12,8	10,5

Technical drawing



Float Voltage vs Temperature

