

# 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 (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

<b>Nominal voltage</b>	12 V
<b>Float charge</b>	2,3 V/C @ 20 °C
<b>Capacity</b>	CP 10min 1,6V/C 20°C 2812W/Bloc CC 20h 1,75V/C 20°C 120Ah
<b>Short circuit current</b>	2475 A (IEC60896-21/22)
<b>Internal resistance</b>	5,1 mΩ (IEC60896-21/22)

<b>Terminal</b>	A
<b>Terminal Torque</b>	8 Nm
<b>Container</b>	PP (Polypropylene)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	189 x 513 x 223 mm
<b>Weight</b>	39 kg
<b>Origin</b>	Büdingen, Germany

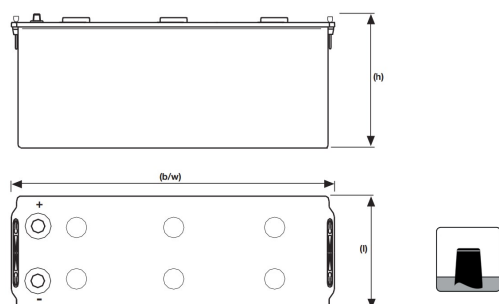
## CONSTANT POWER DISCHARGE

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

