

Sonnenschein A500 / A512/140A

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: NGA5120140HS0CA



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 3117W/Bloc CC 10h 1,8V/C 20°C 119Ah
Short circuit current	3132 A (IEC60896-21/22)
Internal resistance	4,1 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)	223 x 513 x 223 mm
Weight	47 kg
Origin	Büdingen, Germany

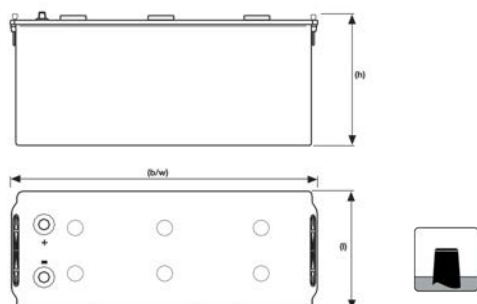
CONSTANT POWER DISCHARGE

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	3674	3172	2549	2101	1755	1330	1040	839	647
1,800 V/C	4127	3631	2819	2246	1906	1424	1070	880	674
1,750 V/C	4647	3937	2912	2365	1995	1479	1096	904	689
1,700 V/C	4974	4211	2981	2440	2050	1513	1117	920	700
1,650 V/C	5316	4435	3060	2489	2087	1538	1133	934	709
1,600 V/C	5631	4606	3117	2522	2113	1555	1144	945	716

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	275	220	178	151	118	75,1	45,7	32,5	21,3	14	11,5
1,800 V/C	315	244	198	166	128	79,7	47,7	33,8	22	14,5	11,9
1,750 V/C	357	264	211	176	133	82,3	48,9	34,5	22,3	14,8	12,2
1,700 V/C	397	282	222	183	137	84,1	49,9	35,1	22,6	15	12,2
1,650 V/C	423	294	229	189	141	85,4	50,3	35,4	22,6	15	12,2
1,600 V/C	452	303	235	193	143	86,3	50,6	35,4	22,6	15	12,2

Technical drawing



Float Voltage vs Temperature

