

Sonnenschein A500 / A512/115A

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: NGA5120115HS0CA



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.



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 2665W/Bloc CC 10h 1,8V/C 20°C 104Ah
Short circuit current	2275 A (IEC60896-21/22)
Internal resistance	5,5 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)	286 x 269 x 230 mm
Weight	37,5 kg
Origin	Büdingen, Germany

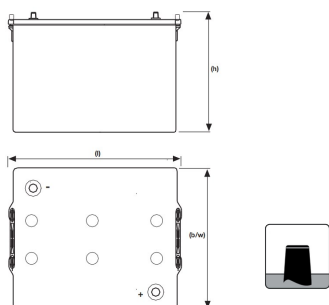
CONSTANT POWER DISCHARGE

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	2808	2531	2009	1705	1439	1155	872	702	512
1,800 V/C	3189	2873	2190	1888	1569	1209	926	739	535
1,750 V/C	3642	3101	2374	1986	1653	1255	956	759	547
1,700 V/C	4106	3361	2511	2030	1703	1281	971	770	553
1,650 V/C	4304	3582	2603	2057	1732	1296	980	776	557
1,600 V/C	4467	3755	2665	2073	1750	1306	985	780	560

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	210	179	152	128	100	60	36	26	18	12	10,1
1,800 V/C	244	192	170	140	107	64	38	27	18	13	10,4
1,750 V/C	282	204	179	148	112	66	39	28	19	13	10,5
1,700 V/C	310	215	183	153	114	67	39	28	19	13	10,5
1,650 V/C	332	222	186	156	116	67	39	28	19	13	10,5
1,600 V/C	343	227	187	158	117	68	40	28	19	13	10,5

Technical drawing



Float Voltage vs Temperature

