

Sonnenschein A500 / A512/55A

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: NGA5120055HS0CA

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 1231W/Bloc CC 10h 1,8V/C 20°C 50Ah
Short circuit current	10,9 A (IEC60896-21/22)
Internal resistance	18,1 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)	261 x 135 x 230 mm
Weight	18,1 kg
Origin	Büdingen, Germany

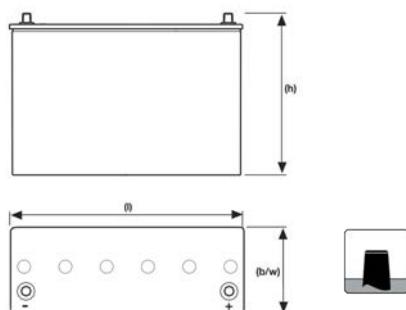
CONSTANT POWER DISCHARGE

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	1348	1172	922	844	718	572	457	367	269
1,800 V/C	1555	1362	1014	888	777	606	478	382	278
1,750 V/C	1799	1496	1102	917	813	626	489	388	281
1,700 V/C	1912	1624	1163	935	834	636	493	392	283
1,650 V/C	2005	1726	1204	945	845	642	496	394	284
1,600 V/C	2107	1800	1231	957	851	645	498	395	285

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	99,2	83,1	70,1	59,1	46,4	32,7	18,9	13,6	9	6	4,9
1,800 V/C	115	89,8	78,7	65,3	50,2	34,2	19,5	14	9,2	6,1	5
1,750 V/C	140	99	84,3	69,5	52,5	35	19,9	14,2	9,3	6,2	5,1
1,700 V/C	152	107	86,8	72	53,9	35,5	20,1	14,3	9,3	6,2	5,1
1,650 V/C	161	112	88,4	73,6	54,7	35,7	20,2	14,4	9,3	6,2	5,1
1,600 V/C	170	116	89,3	74,6	55,2	35,8	20,2	14,4	9,3	6,2	5,1

Technical drawing



Float Voltage vs Temperature

