

Sonnenschein A500 / A512/25G5

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: NGA5120025HS0BA

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 514W/Bloc CC 10h 1,8V/C 20°C 22Ah
Short circuit current	463 A (IEC60896-21/22)
Internal resistance	28 mΩ (IEC60896-21/22)

Terminal	G-M5
Terminal Torque	5 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	167 x 176 x 126 mm
Weight	9,6 kg
Origin	Büdingen, Germany

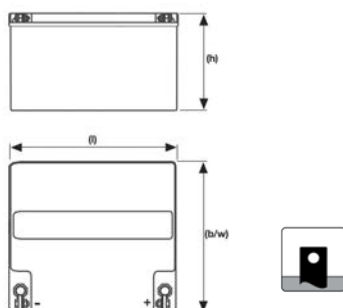
CONSTANT POWER DISCHARGE

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	535	463	387	324	278	225	170	140	105
1,800 V/C	623	555	418	360	303	240	180	146	109
1,750 V/C	689	616	454	385	320	248	185	150	111
1,700 V/C	776	652	482	395	330	253	187	151	112
1,650 V/C	854	693	501	400	335	255	188	152	112
1,600 V/C	908	725	514	403	339	256	189	153	113

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	41,1	36,2	29	24,8	20,5	13,1	8	5,8	3,9	2,5	2,1
1,800 V/C	46,1	38,8	32,1	27	21,3	13,8	8,3	6	4	2,6	2,2
1,750 V/C	54,2	41,4	34,5	28,6	21,9	14,2	8,5	6,1	4	2,7	2,2
1,700 V/C	61,7	43,3	36,1	29,6	22,4	14,4	8,6	6,2	4,1	2,7	2,2
1,650 V/C	67,5	45,4	37,1	30,2	22,7	14,4	8,6	6,2	4,1	2,7	2,2
1,600 V/C	71,8	46,9	37,7	30,7	22,9	14,5	8,6	6,2	4,1	2,7	2,2

Technical drawing



Float Voltage vs Temperature

