Sonnenschein A500 / A506/1,2S

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: NGA50601D2HS0SA

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

Nominal voltage	6 V	**Terminal**	S-4.8
Float charge	2,3 V/C @ 20 °C	**Container**	ABS
Capacity	CP 10min 1,6V/C 20°C 14,8W/Bloc CC 20h 1,75V/C 20°C 1,2Ah	**Temperature range**	-40°C to 55°C
		Dimensions (l x b/w x h)	97,3 x 25,5 x 55,6 mm
Short circuit current	38 A (IEC60896-21/22)	**Weight**	0,33 kg
Internal resistance	165 mΩ (IEC60896-21/22)	**Origin**	Castanheira, Portugal

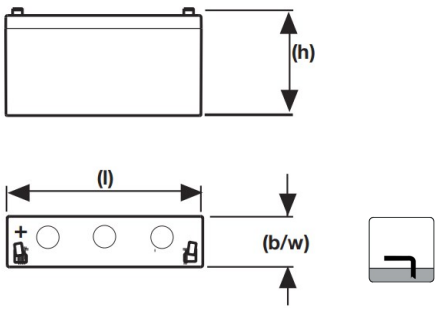
CONSTANT POWER DISCHARGE

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	21,4	17,2	12,2	10,3	8,6	6,6	4,9	4	3
1,800 V/C	23,5	19,1	13,3	10,9	9,1	6,9	5,1	4,1	3
1,750 V/C	25,1	20,7	14	11,1	9,3	7	5,2	4,2	3
1,700 V/C	26,8	21,9	14,4	11,2	9,4	7,1	5,2	4,2	3,1
1,650 V/C	28,2	22,6	14,7	11,2	9,5	7,1	5,2	4,2	3,1
1,600 V/C	29,2	23,1	14,8	11,3	9,5	7,1	5,2	4,2	3,1

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	3,52	2,44	1,92	1,58	1,2	0,75	0,49	0,34	0,21	0,13	0,1
1,800 V/C	3,92	2,67	2,07	1,69	1,26	0,77	0,51	0,35	0,21	0,13	0,1
1,750 V/C	4,12	2,82	2,15	1,74	1,3	0,78	0,51	0,35	0,22	0,13	0,1
1,700 V/C	4,32	2,91	2,19	1,77	1,31	0,79	0,52	0,35	0,22	0,13	0,1
1,650 V/C	4,52	2,96	2,22	1,79	1,32	0,8	0,52	0,36	0,22	0,13	0,1
1,600 V/C	4,66	3	2,24	1,8	1,33	0,8	0,52	0,36	0,22	0,13	0,1

Technical drawing



Float Voltage vs Temperature