

Sonnenschein A500 / A512/30G6

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: NGA5120030HS0BA

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 755W/Bloc CC 10h 1,8V/C 20°C 27Ah
Short circuit current	586 A (IEC60896-21/22)
Internal resistance	21,8 mΩ (IEC60896-21/22)

Terminal	G-M6
Terminal Torque	6 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	197 x 132 x 180 mm
Weight	11,1 kg
Origin	Büdingen, Germany

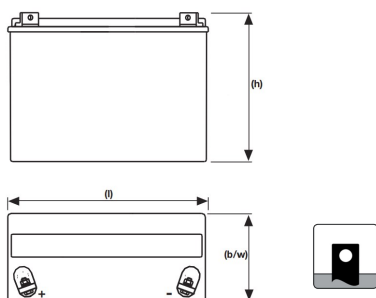
CONSTANT POWER DISCHARGE

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	857	751	568	479	400	310	251	200	144
1,800 V/C	1036	850	637	517	433	330	264	210	151
1,750 V/C	1118	951	690	538	453	341	271	214	153
1,700 V/C	1214	1037	726	558	465	347	274	216	155
1,650 V/C	1310	1095	746	569	471	351	276	217	155
1,600 V/C	1393	1121	755	576	474	352	276	218	156

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	60,7	49,3	44	36,5	28	18	10,6	7,6	4,9	3,2	2,6
1,800 V/C	75,5	54,8	47,2	39,9	30	19,1	11,2	7,9	5,1	3,3	2,7
1,750 V/C	84,7	60,3	49	42	31,3	19,7	11,5	8,1	5,2	3,4	2,8
1,700 V/C	92	64,3	50,1	43,3	32	20	11,6	8,2	5,3	3,4	2,8
1,650 V/C	98,9	67	51,1	44	32,4	20,1	11,7	8,2	5,3	3,4	2,8
1,600 V/C	105	68,7	51,8	44,4	32,6	20,1	11,7	8,2	5,3	3,4	2,8

Technical drawing



Float Voltage vs Temperature

