

Sonnenschein A500 / A512/16G5

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: NGA5120016HS0BA

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.

EXIDE Distributionscenter Frankfurt a.M.

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GNB[®]
INDUSTRIAL POWER
A Division of Exide Technologies

Sonnenschein

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,3 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 426W/Bloc CC 10h 1,8V/C 20°C 15Ah
Short circuit current	340 A (IEC60896-21/22)
Internal resistance	37,8 mΩ (IEC60896-21/22)

Terminal	G-M5
Terminal Torque	5 Nm
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	181 x 76 x 167 mm
Weight	6 kg
Origin	Castanheira, Portugal

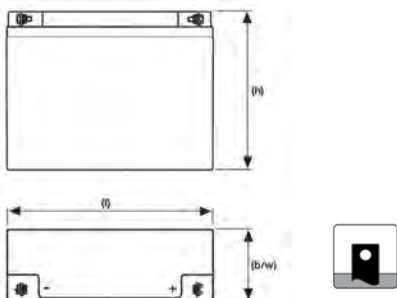
CONSTANT POWER DISCHARGE

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	485	433	352	295	252	192	150	119	87
1,800 V/C	584	485	384	309	269	203	156	124	90
1,750 V/C	636	534	407	322	280	209	159	126	91
1,700 V/C	688	573	418	331	285	212	161	127	91
1,650 V/C	741	601	423	335	288	213	161	128	92
1,600 V/C	783	621	426	338	289	214	162	128	92

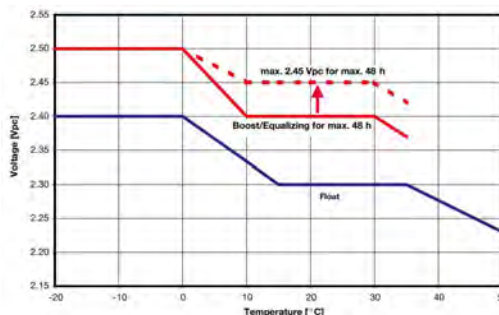
CONSTANT CURRENT DISCHARGE

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	40	29	24	20	15	9,8	6,21	4,34	2,7	1,8	1,4
1,800 V/C	47	33	27	22	16	10,2	6,43	4,4	2,8	1,8	1,5
1,750 V/C	51	36	28	23	17	10,4	6,53	4,5	2,9	1,8	1,54
1,700 V/C	54	39	30	24	17	10,5	6,57	4,6	2,92	1,8	1,54
1,650 V/C	58	41	30	24	18	10,6	6,61	4,6	2,92	1,8	1,54
1,600 V/C	61	42	31	25	18	10,7	6,62	4,61	2,92	1,8	1,54

Technical drawing



Float Voltage vs Temperature



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