Sonnenschein A400 / A412/5.5SR

INDUSTRIAL BATTERIES / NETWORK POWER

The Sonnenschein A400 range is a reference for energy storage, with proven reliability in many installations worldwide. The success of A400 batteries comes from the superior dryfit technology, available in a wide range of models to provide a solution for every power need.

Part Number: NGA41205D5HS0RA

APPLICATIONS

SPECIFICATIONS

- Exceptional energy storage capacity combined with long life
- Thick grid plates with high quality lead calcium alloy, for enhanced corrosion resistance and stability
- Very low gassing due to the internal gas recombination
- Classification according to EUROBAT 2015: "> 12 years – Very Long Life"
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- Designed in accordance with IEC 60896-21/-22
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- Approval: UL (Underwriters Laboratories)
- Manufactured in Europe in our ISO 9001 certified production plants

Design life
15 years for blocks ≥ 20 Ah
12 years for blocks < 20 Ah

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

GNB INDUSTRIAL POWER
A Division of Exide Technologies

Sonnenschein

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 126W/Bloc CC 10h 1,8V/C 20°C 5,5Ah
Short circuit current	93 A (IEC60896-21/22)
Internal resistance	138 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	65,5 x 152 x 98,4 mm
Weight	2,5 kg
Origin	Castanheira, Portugal

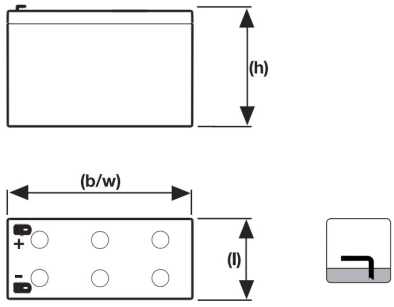
CONSTANT POWER DISCHARGE

W @ 20 °C	2 min	3 min	5 min	7 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h
1,850 V/C	153	141	120	106	95	79,5	68,8	58,5	44,4	36,5	22	16
1,800 V/C	174	161	140	122	106	87,6	74,5	62,1	47,2	38,5	24	17
1,750 V/C	196	178	155	134	114	93,1	78,3	63,5	48,8	39,6	24	17
1,700 V/C	219	194	163	143	119	96,6	80,8	64,2	49,8	40,3	24	18
1,650 V/C	235	209	169	149	123	98,9	82,3	64,7	50,5	40,8	24	18
1,600 V/C	248	220	175	153	126	100	83,4	65	51	41,1	24	18

CONSTANT CURRENT DISCHARGE

A @ 20 °C	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
1,850 V/C	9,9	8,3	7	6	4,9	3,8	3	2	1,4	1,1	1	0,6	0,5
1,800 V/C	11,3	9,3	7,8	6,5	5,1	4	3,2	2,1	1,5	1,2	1	0,7	0,5
1,750 V/C	13	9,8	8,2	6,9	5,3	4,2	3,3	2,2	1,5	1,2	1	0,7	0,5
1,700 V/C	14,3	10,3	8,6	7,2	5,5	4,3	3,4	2,2	1,6	1,2	1	0,7	0,5
1,650 V/C	15,5	10,7	8,7	7,3	5,6	4,3	3,4	2,2	1,6	1,2	1	0,7	0,5
1,600 V/C	16,1	11	8,9	7,5	5,6	4,4	3,4	2,2	1,6	1,2	1	0,7	0,5

Technical drawing



Float Voltage vs Temperature