

Sonnenschein A400 / A412/8.5SR

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: NGA41208D5HS0RA

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 (Underwriter 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 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	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 187W/Bloc CC 10h 1,8V/C 20°C 8Ah
Short circuit current	150 A (IEC60896-21/22)
Internal resistance	86 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	98 x 152 x 98,4 mm
Weight	3,6 kg
Origin	Castanheira, Portugal

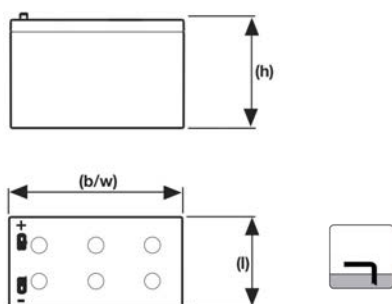
CONSTANT POWER DISCHARGE

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	216	201	177	159	141	117	102	84,5	64,9	53,8	31	22
1,800 V/C	246	232	204	180	156	130	111	90,4	68,6	56,4	33	24
1,750 V/C	278	258	226	198	171	138	116	93,6	70,5	57,7	34	25
1,700 V/C	306	283	246	212	178	143	120	95,3	71,5	58,3	34	25
1,650 V/C	331	306	258	222	183	146	122	96,2	72,1	58,7	34	25
1,600 V/C	354	325	267	228	187	148	123	96,7	72,4	58,9	34	25

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	15	12	10	8	6,9	5,3	4,3	2,8	2,1	1,7	1,4	1	0,8
1,800 V/C	17	14	11	9	7,4	5,7	4,5	2,9	2,1	1,7	1,4	1	0,8
1,750 V/C	19	15	12	10	7,5	5,8	4,6	3	2,2	1,7	1,5	1	0,8
1,700 V/C	21	15	12	10	7,6	5,9	4,7	3	2,2	1,7	1,5	1	0,8
1,650 V/C	23	16	12	10	7,7	6	4,7	3	2,2	1,7	1,5	1	0,8
1,600 V/C	24	16	13	10	7,8	6	4,8	3	2,2	1,7	1,5	1	0,8

Technical drawing



Float Voltage vs Temperature

