

Sonnenschein A400 / A412/12SR

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: NGA4120012HS0RA

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](#)

EXIDE Distributionscenter Frankfurt a.M.

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TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,27 V/C @ 20 °C
Capacity	CP 10min 1,6V/C 20°C 263W/Bloc CC 10h 1,8V/C 20°C 12Ah
Short circuit current	260 A (IEC60896-21/22)
Internal resistance	47 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	181 x 76 x 157 mm
Weight	5,6 kg
Origin	Castanheira, Portugal

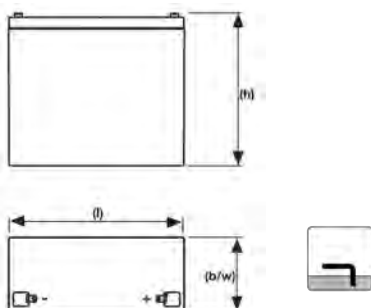
CONSTANT POWER DISCHARGE

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	252	239	219	203	185	157	141	115	89,4	74,8	38	29
1,800 V/C	314	292	258	235	208	177	153	125	95,8	79,2	42	31
1,750 V/C	355	331	296	262	233	193	164	132	99,4	81	45	33
1,700 V/C	394	366	323	286	247	203	170	135	101	82,5	45	33
1,650 V/C	436	399	348	304	255	209	174	136	102	82,9	45	33
1,600 V/C	474	424	358	317	263	213	176	137	102	83,2	45	33

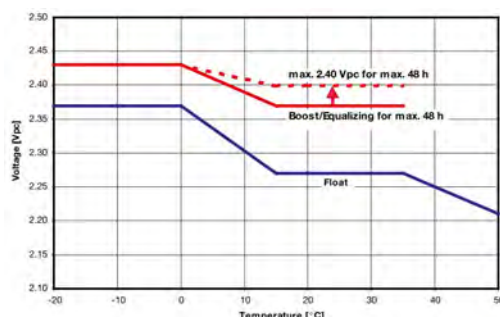
CONSTANT CURRENT DISCHARGE

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	18	15	12	11	9	7	5,5	3,3	2,5	2	1,7	1,2	1,1
1,800 V/C	21	18	14	12	10	8	6,2	3,7	2,8	2,2	1,9	1,3	1,2
1,750 V/C	24	20	16	13	10	8	6,6	3,9	2,9	2,3	1,9	1,4	1,2
1,700 V/C	28	21	16	13	10	8	6,8	4	2,9	2,3	2	1,4	1,2
1,650 V/C	30	22	17	14	11	9	6,8	4	2,9	2,3	2	1,4	1,2
1,600 V/C	33	23	17	14	11	9	6,8	4	2,9	2,3	2	1,4	1,2

Technical drawing



Float Voltage vs Temperature



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