

# 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 (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.

#### ACCU-24 Batterien & Systeme GmbH

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## TECHNICAL CHARACTERISTICS AND DATA

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

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

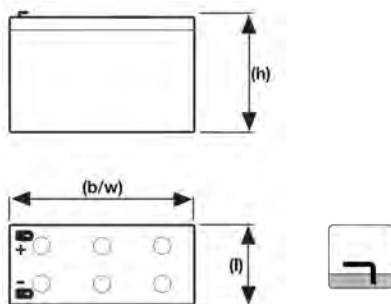
## CONSTANT POWER DISCHARGE

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

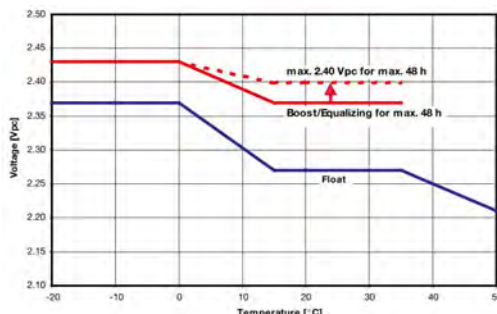
## CONSTANT CURRENT DISCHARGE

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



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