

# Sonnenschein A400 / A412/65F10

## 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: NGA4120065HS0FA**

### 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](#)

## 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 1400W/Bloc CC 10h 1,8V/C 20°C 65Ah
<b>Short circuit current</b>	1414 A (IEC60896-21/22)
<b>Internal resistance</b>	9 mΩ (IEC60896-21/22)

<b>Terminal</b>	F-M10
<b>Terminal Torque</b>	17 Nm
<b>Container</b>	PP (Polypropylene)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	353 x 175 x 196 mm
<b>Weight</b>	23,5 kg
<b>Origin</b>	Büdingen, Germany

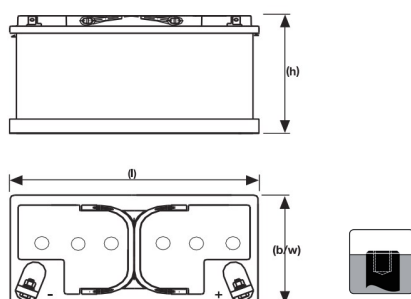
## CONSTANT POWER DISCHARGE

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	1440	1342	1221	1137	1025	867	759	635	482	396	239	175
1,800 V/C	1702	1601	1430	1296	1158	977	834	690	516	420	260	190
1,750 V/C	1968	1830	1620	1447	1268	1054	886	714	534	432	270	193
1,700 V/C	2191	2009	1762	1570	1323	1100	916	723	541	437	270	194
1,650 V/C	2419	2214	1874	1658	1371	1125	932	727	545	439	271	195
1,600 V/C	2603	2402	1962	1713	1400	1137	940	729	547	440	272	196

## 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	102	77	63	56	48	42	36	22	15,9	12,9	10,9	7,3	6,2
1,800 V/C	120	95	76	64	52	45	39	23	16,7	13,4	11,3	7,6	6,5
1,750 V/C	134	107	84	70	56	48	41	24	17,1	13,6	11,4	7,7	6,5
1,700 V/C	148	111	89	73	57	49	41	24	17,3	13,7	11,5	7,7	6,5
1,650 V/C	161	114	91	75	57	49	42	24	17,3	13,7	11,5	7,7	6,5
1,600 V/C	170	116	92	76	58	49	42	24	17,3	13,8	11,5	7,7	6,5

## Technical drawing



## Float Voltage vs Temperature

