

# Sonnenschein A400 / A412/100F10

## 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: NGA4120100HS0FA**



### 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 1885W/Bloc CC 10h 1,8V/C 20°C 100Ah
<b>Short circuit current</b>	1777 A (IEC60896-21/22)
<b>Internal resistance</b>	6,9 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>	189 x 513 x 223 mm
<b>Weight</b>	37 kg
<b>Origin</b>	Büdingen, Germany

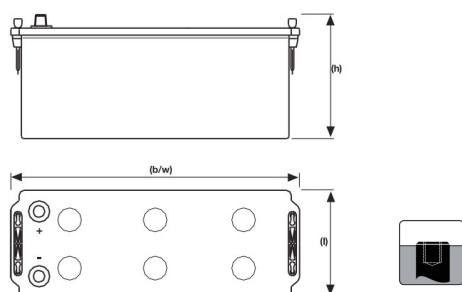
## CONSTANT POWER DISCHARGE

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	1873	1792	1625	1482	1329	1144	1048	861	674	567	335	252
1,800 V/C	2076	1986	1828	1644	1454	1236	1112	935	719	597	364	274
1,750 V/C	2498	2364	2139	1928	1636	1348	1176	972	742	613	383	280
1,700 V/C	2792	2604	2347	2090	1749	1414	1216	987	752	620	385	282
1,650 V/C	3108	2827	2475	2216	1831	1459	1242	993	756	623	387	283
1,600 V/C	3354	2992	2567	2301	1885	1488	1258	999	759	625	388	284

## 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	144	124	105	93	72	56	46	31	23,5	17,9	15,2	10,8	9,6
1,800 V/C	176	150	125	104	81	62	50	32	24,1	18,7	15,9	11,3	10
1,750 V/C	194	160	134	112	86	65	52	33	24,8	19,2	16,3	11,4	10
1,700 V/C	213	171	141	117	89	67	53	34	25,1	19,4	17	11,4	10
1,650 V/C	232	178	146	120	90	68	54	34	25,3	19,5	17	11,4	10
1,600 V/C	253	183	149	121	91	69	54	34	25,4	19,6	17	11,4	10

## Technical drawing



## Float Voltage vs Temperature

