

Sonnenschein A400 / A412/20G5

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: NGA4120020HS0BA

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 447W/Bloc CC 10h 1,8V/C 20°C 20Ah
Short circuit current	460 A (IEC60896-21/22)
Internal resistance	25 mΩ (IEC60896-21/22)

Terminal	G-M5
Terminal Torque	5 Nm
Container	PP (Polypropylene)
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	167 x 176 x 126 mm
Weight	9 kg
Origin	Büdingen, Germany

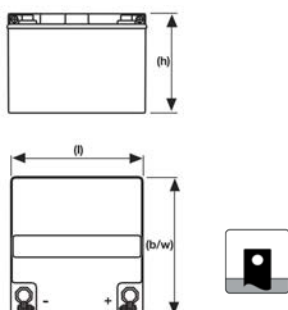
CONSTANT POWER DISCHARGE

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	438	414	378	348	302	257	229	195	151	126	71	51
1,800 V/C	566	521	467	421	359	291	252	208	160	132	77	55
1,750 V/C	658	596	518	467	398	315	267	213	165	135	77	56
1,700 V/C	741	657	555	494	424	331	277	216	166	136	78	56
1,650 V/C	799	701	583	511	438	339	282	218	167	136	79	56
1,600 V/C	874	760	610	521	447	343	285	219	168	137	80	56

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	33	25	22	20	17	14	11	6	4,7	3,8	3,2	2,1	1,9
1,800 V/C	36	27	23	21	18	15	12	7	4,9	3,9	3,3	2,2	2
1,750 V/C	45	34	27	23	18	15	12	7	5	3,9	3,3	2,2	2
1,700 V/C	51	38	29	24	19	15	12	7	5	4	3,3	2,2	2
1,650 V/C	56	40	31	25	19	15	12	7	5	4	3,3	2,2	2
1,600 V/C	60	42	31	26	19	15	12	7	5	4	3,3	2,2	2

Technical drawing



Float Voltage vs Temperature

