

Powerfit S100 / S112/12 S

INDUSTRIAL BATTERIES / NETWORK POWER

GNB's Powerfit S100 are general purpose batteries designed to deliver high performance in case of power interruptions. They are the ideal solution for applications such as security & alarm systems, emergency lighting, signaling, and any other UPS application where compact and reliable back-up power is key.

Part Number: NAS1120012VW0SA

APPLICATIONS



SPECIFICATIONS

- Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (with very fine glass fibres)
- Perfect combination of energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- 5 years design life at 20 °C ambient temperature (80% remaining capacity) for S100 models (EUROBAT 2015: 3 – 5 years standard commercial)
- Container in ABS Material - no V0 available
- IEC 896-2 cycle test: 400 cycles at 60% DOD
- Designed in accordance with IEC 60896-21/22
- Grid plate construction consisting of a lead calcium alloy
- Low gas emission due to high gas recombination of 99%
- Low self-discharge rate (about 3% / month at 20 °C)
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- Completely recyclable



Block battery



Grid plate



Recyclable



Valve
regulated
lead-acid
batteries



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 @ 25 °C
Capacity	CP 10min 1,6V/C 25°C 321W/Bloc CC 10h 1,8V/C 25°C 11,2Ah
Short circuit current	240 A (IEC60896-21/22)
Internal resistance	16 mΩ (IEC60896-21/22)

Terminal	S-4.8
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	98 x 151 x 101 mm
Weight	3,5 kg
Origin	China

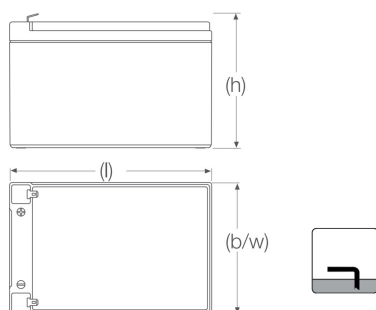
CONSTANT POWER DISCHARGE

W @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	251	194	163	111	69,8	32,7	21,8	12,9	7,06	5,99
1,800 V/C	333	246	194	129	77,8	34,9	23,3	13,2	7,12	6
1,750 V/C	367	266	209	133	81	35,4	23,8	13,6	7,18	6,06
1,700 V/C	393	283	220	138	83,3	36,4	24,4	13,8	7,31	6,18
1,650 V/C	428	302	232	144	84,6	37,8	24,9	14,1	7,4	6,24
1,600 V/C	461	321	245	151	85	38,7	25,7	14,2	7,43	6,24

CONSTANT CURRENT DISCHARGE

A @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	22,9	17,6	14,5	9,72	6,03	2,79	1,85	1,08	0,594	0,504
1,800 V/C	30,7	22,4	17,6	11,5	6,76	3	1,99	1,12	0,6	0,507
1,750 V/C	34,6	24,6	19,2	11,9	7,07	3,06	2,04	1,15	0,606	0,512
1,700 V/C	38,1	26,9	20,5	12,4	7,29	3,15	2,09	1,17	0,617	0,521
1,650 V/C	42	29	21,8	13,1	7,46	3,28	2,15	1,19	0,625	0,526
1,600 V/C	46,3	31,5	23,3	13,8	7,54	3,38	2,22	1,21	0,629	0,528

Technical drawing



Float Voltage vs Temperature

