

Powerfit S100 / S106/12 SR

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: NAS1060012VW0RA

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	6 V
Float charge	2,27 V/C @ 25 °C
Capacity	CP 10min 1,6V/C 25°C 160W/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	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	151 x 51 x 100 mm
Weight	1,8 kg
Origin	China

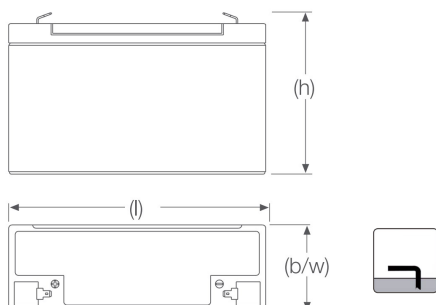
CONSTANT POWER DISCHARGE

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	125	97,2	81,4	55,6	34,9	16,3	10,9	6,43	3,53	2,99
1,800 V/C	166	123	97	64,6	38,9	17,5	11,6	6,62	3,56	3
1,750 V/C	184	133	105	66,5	40,5	17,7	11,9	6,79	3,59	3,03
1,700 V/C	197	141	110	68,8	41,7	18,2	12,2	6,92	3,65	3,09
1,650 V/C	214	151	116	72	42,3	18,9	12,5	7,05	3,7	3,12
1,600 V/C	230	160	122	75,5	42,5	19,4	12,8	7,11	3,71	3,12

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

