

Powerfit S100 / S112/18 G6

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: NAS1120018VW0BA

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 481W/Bloc CC 10h 1,8V/C 25°C 16,7Ah
Short circuit current	360 A (IEC60896-21/22)
Internal resistance	16 mΩ (IEC60896-21/22)

Terminal	G M6
Terminal Torque	5 Nm
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	181,5 x 77 x 167,5 mm
Weight	5,4 kg
Origin	China

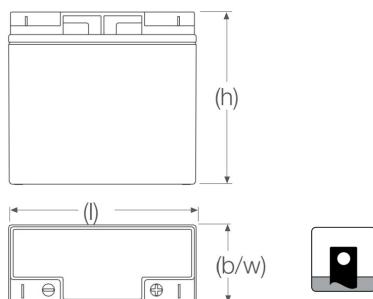
CONSTANT POWER DISCHARGE

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	376	292	244	167	105	49	32,7	19,3	10,6	9
1,800 V/C	499	368	291	194	117	52,4	34,9	19,8	10,7	9,06
1,750 V/C	551	398	314	199	122	53,2	35,7	20,4	10,8	9,12
1,700 V/C	590	424	331	206	125	54,5	36,5	20,7	11	9,24
1,650 V/C	641	454	349	216	127	56,6	37,4	21,1	11,1	9,36
1,600 V/C	691	481	367	226	128	58,1	38,5	21,3	11,1	9,36

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	34,3	26,3	21,8	14,6	9,05	4,19	2,78	1,62	0,891	0,756
1,800 V/C	46	33,6	26,3	17,2	10,1	4,51	2,98	1,67	0,9	0,761
1,750 V/C	51,9	37	28,8	17,9	10,6	4,59	3,06	1,72	0,909	0,767
1,700 V/C	57,1	40,3	30,7	18,6	10,9	4,72	3,14	1,75	0,925	0,781
1,650 V/C	63	43,5	32,7	19,6	11,2	4,92	3,22	1,79	0,938	0,789
1,600 V/C	69,5	47,2	34,9	20,7	11,3	5,07	3,33	1,81	0,943	0,792

Technical drawing



Float Voltage vs Temperature

