

Powerfit S100 / S112/18 F5

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: NAS1120018HW0FA

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 ofits 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 425W/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	F-M5
Terminal Torque	3 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

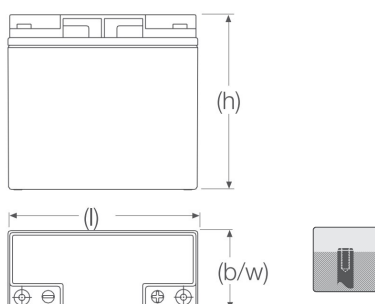
CONSTANT POWER DISCHARGE

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	384	293	262	179	107	49,3	34,1	19,7	10,7	8,36
1,800 V/C	458	343	297	194	115	51,5	35,2	20,2	10,9	8,57
1,750 V/C	509	372	317	202	120	53,2	36,1	20,3	10,9	8,73
1,700 V/C	547	394	334	208	124	54,4	36,5	20,5	11	8,83
1,650 V/C	580	413	345	215	126	55,1	36,9	20,6	11	8,93
1,600 V/C	609	425	348	216	128	55,9	37,3	20,7	11,1	9,03

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	33,9	25,6	22,7	15,3	9,11	4,13	2,84	1,63	0,884	0,713
1,800 V/C	40,8	30,2	25,9	16,7	9,79	4,34	2,94	1,67	0,9	0,731
1,750 V/C	45,8	33	27,8	17,4	10,2	4,49	3,03	1,7	0,918	0,744
1,700 V/C	49,9	35,4	29,7	18,1	10,6	4,63	3,09	1,72	0,929	0,753
1,650 V/C	53,8	37,7	31,1	18,9	10,9	4,73	3,14	1,74	0,938	0,761
1,600 V/C	57,9	39,6	31,9	19,3	11,1	4,82	3,2	1,76	0,945	0,77

Technical drawing



Float Voltage vs Temperature

