

Powerfit S100 / S112/26 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: NAS1120026HW0FA

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 695W/Bloc CC 10h 1,8V/C 25°C 24,2Ah
Short circuit current	520 A (IEC60896-21/22)
Internal resistance	14 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)	166 x 175 x 125 mm
Weight	7,8 kg
Origin	China

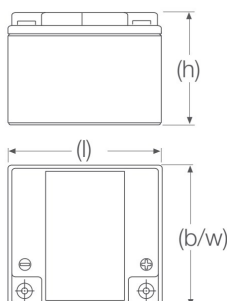
CONSTANT POWER DISCHARGE

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	543	421	353	241	151	70,8	47,2	27,8	15,3	12,1
1,800 V/C	721	532	421	280	169	75,6	50,4	28,7	15,4	12,4
1,750 V/C	796	575	454	288	176	76,8	51,6	29,4	15,5	12,7
1,700 V/C	853	613	478	298	181	78,6	52,8	29,9	15,8	13
1,650 V/C	926	655	504	312	184	81,6	54,1	30,5	16	13,2
1,600 V/C	998	695	530	327	184	84	55,6	30,8	16,1	13,4

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	49,5	38	31,5	21,1	13,1	6,05	4,01	2,35	1,29	1,03
1,800 V/C	66,5	48,6	38,1	24,8	14,6	6,51	4,31	2,42	1,3	1,06
1,750 V/C	74,9	53,4	41,6	25,8	15,3	6,63	4,42	2,48	1,31	1,09
1,700 V/C	82,5	58,2	44,4	26,8	15,8	6,81	4,53	2,53	1,34	1,11
1,650 V/C	91	62,8	47,2	28,3	16,2	7,11	4,66	2,58	1,35	1,13
1,600 V/C	100	68,2	50,5	29,9	16,3	7,32	4,81	2,61	1,36	1,14

Technical drawing



Float Voltage vs Temperature

