

Powerfit S100L / S112/18L F5

INDUSTRIAL BATTERIES / NETWORK POWER

GNB's Powerfit S100L 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: NASL120018HW0FA

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
- 10 years design life at 20 °C ambient temperature (80% remaining capacity) for S100L models (EUROBAT 2015: 10/12 years long life)
- 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 433W/Bloc CC 10h 1,8V/C 25°C 17,5Ah
Short circuit current	360 A (IEC60896-21/22)
Internal resistance	24 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 76,5 x 167,8 mm
Weight	5,7 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	340	262	221	157	101	51,5	33,9	20,5	11,5	8,84
1,800 V/C	452	331	263	182	112	55,1	36,2	21,7	11,5	9,37
1,750 V/C	499	358	284	188	117	55,9	37,1	21,9	11,6	9,48
1,700 V/C	535	382	299	194	121	57,4	38	22,1	11,8	9,58
1,650 V/C	581	408	316	203	124	59,5	38,9	22,6	11,9	9,74
1,600 V/C	626	433	332	214	127	61,2	40,1	22,7	12	9,84

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	30,4	23,2	19,4	13,5	8,56	4,2	2,75	1,65	0,888	0,754
1,800 V/C	40,9	29,7	23,4	15,9	9,58	4,51	2,95	1,75	0,9	0,759
1,750 V/C	46,1	32,6	25,6	16,5	10	4,6	3,03	1,77	0,905	0,768
1,700 V/C	50,7	35,5	27,3	17,2	10,3	4,72	3,1	1,79	0,922	0,776
1,650 V/C	55,9	38,3	29	18,1	10,7	4,93	3,19	1,81	0,934	0,789
1,600 V/C	61,7	41,6	31	19,2	11,1	5,07	3,3	1,83	0,939	0,797

Float Voltage vs Temperature

