

Powerfit S100L / S112/25L 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: **NASL120025HW0FA**

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 578W/Bloc CC 10h 1,8V/C 25°C 24Ah
Short circuit current	528 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

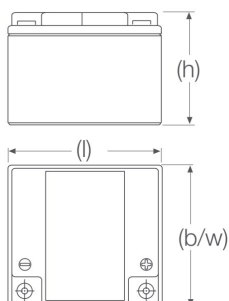
CONSTANT POWER DISCHARGE

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	454	350	295	209	134	68,4	45,2	27,4	15,2	11,8
1,800 V/C	603	442	351	244	150	73,2	48,4	29	15,4	12,5
1,750 V/C	665	478	379	251	156	74,4	49,4	29,2	15,5	12,6
1,700 V/C	713	509	399	259	160	76,2	50,6	29,5	15,8	12,8
1,650 V/C	775	544	421	272	164	79,2	51,8	30,1	16	13
1,600 V/C	835	578	438	285	170	81,6	53,4	30,3	16	13,1

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	40,6	31	25,8	18	11,4	5,77	3,78	2,27	1,26	1,01
1,800 V/C	54,5	39,6	31,2	21,2	12,8	6,21	4,06	2,4	1,27	1,07
1,750 V/C	61,4	43,6	34,1	22	13,4	6,32	4,16	2,42	1,28	1,07
1,700 V/C	67,6	47,4	36,4	22,9	13,8	6,5	4,27	2,45	1,31	1,09
1,650 V/C	74,6	51,1	38,7	24,2	14,3	6,77	4,39	2,5	1,32	1,11
1,600 V/C	82,3	55,5	41,4	25,5	14,8	6,98	4,53	2,52	1,33	1,12

Technical drawing



Float Voltage vs Temperature

