

Powerfit S100L / S112/7L SR

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: NASL120007HW0RA

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 169W/Bloc CC 10h 1,8V/C 25°C 7Ah
Short circuit current	154 A (IEC60896-21/22)
Internal resistance	23 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	65 x 151 x 99 mm
Weight	2,45 kg
Origin	China

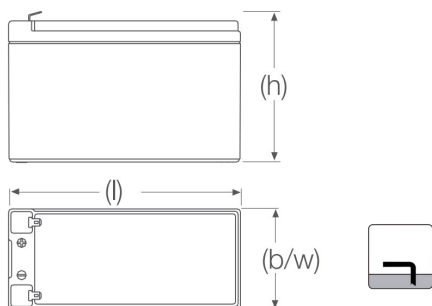
CONSTANT POWER DISCHARGE

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	133	102	85,8	61,2	39,2	20	13,2	7,98	4,45	3,44
1,800 V/C	176	129	103	70,8	43,7	21,4	14,1	8,46	4,48	3,59
1,750 V/C	194	139	110	73,2	45,5	21,7	14,4	8,52	4,52	3,68
1,700 V/C	208	148	116	75,6	46,8	22,3	14,8	8,58	4,6	3,72
1,650 V/C	226	159	123	79,2	48	23,2	15,1	8,76	4,66	3,79
1,600 V/C	244	169	129	82,8	49,4	23,8	15,6	8,82	4,67	3,83

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	11,8	9,03	7,53	5,25	3,33	1,68	1,1	0,661	0,368	0,293
1,800 V/C	15,9	11,5	9,1	6,19	3,73	1,81	1,18	0,7	0,371	0,306
1,750 V/C	17,9	12,7	9,9	6,43	3,9	1,84	1,21	0,707	0,375	0,314
1,700 V/C	19,7	13,8	10,6	6,69	4,02	1,89	1,24	0,714	0,382	0,317
1,650 V/C	21,8	14,9	11,3	7,06	4,16	1,98	1,28	0,729	0,386	0,323
1,600 V/C	24	16,2	12,1	7,45	4,31	2,04	1,32	0,736	0,389	0,327

Technical drawing



Float Voltage vs Temperature

