

Powerfit S100L / S112/12L 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: NASL120012HW0RA

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 289W/Bloc CC 10h 1,8V/C 25°C 11,6Ah
Short circuit current	240 A (IEC60896-21/22)
Internal resistance	27 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	98 x 151 x 101 mm
Weight	3,5 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	227	175	148	105	67,2	34,3	22,6	13,7	7,62	5,9
1,800 V/C	301	221	176	122	75	36,7	24,2	14,5	7,68	6,24
1,750 V/C	333	239	190	125	78	37,3	24,7	14,6	7,75	6,3
1,700 V/C	356	254	200	130	80,4	38,2	25,3	14,8	7,88	6,36
1,650 V/C	388	272	211	136	82,2	39,7	25,9	15	7,97	6,48
1,600 V/C	418	289	221	142	84,6	40,7	26,7	15,2	8,01	6,54

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	20,3	15,5	12,9	8,99	5,7	2,8	1,83	1,1	0,592	0,498
1,800 V/C	27,3	19,8	15,6	10,6	6,39	3,01	1,97	1,16	0,6	0,504
1,750 V/C	30,7	21,7	17	11	6,68	3,07	2,02	1,17	0,603	0,507
1,700 V/C	33,8	23,7	18,2	11,5	6,9	3,15	2,07	1,18	0,615	0,512
1,650 V/C	37,3	25,6	19,4	12,1	7,13	3,28	2,12	1,21	0,622	0,52
1,600 V/C	41,1	27,8	20,7	12,8	7,38	3,39	2,2	1,22	0,626	0,525

Float Voltage vs Temperature

