

Industrial Batteries / Network Power

Powerfit S100 / S100L



»The compact energy package
 for more security«



Powerfit[®]

Powerfit S100 / S100L

The compact all-rounder

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.

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
- > Nominal capacity 1.2 – 38 Ah
- > 5 years design life at 20 °C ambient temperature (80% remaining capacity) for S100 (part number NAS1...) models (EUROBAT 2015: 3 – 5 years standard commercial)
- > 10 years design life at 20 °C ambient temperature (80% remaining capacity) for S100L (part number NASL...) models (EUROBAT 2015: 10/12 years long life)
- > IEC 896-2 cycle test: 400 cycles at 60% DOD
- > Container in ABS Material - no V0 available
- > 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

Technical characteristics and data

Type	Part number	Nom-voltage V	Nom. capacity C ₂₀ 1.80 Vpc 25 °C Ah	C ₁₀ 1.75 Vpc 25 °C Ah	C ₁ 1.6 Vpc 25 °C Ah	Length* (l) mm	Width* (b/w) mm	Height* (h) mm	Weight ca. kg	Internal-resistance acc. to IEC 60896-21 mΩ	Max. discharge current f. 5 sec. A	Terminal
S106/4.5 S	NAS10604D5VW0SA	6	4.50	4.27	2.73	70.0	47.0	106	0.81	25.0	67.5	S-4.8
S106/12 SR	NAS1060012VW0RA	6	12.0	11.5	7.54	151	51.0	100	1.80	15.0	180	SR-6.3
S112/1.2 S	NAS11201D2VW0SA	12	1.20	1.14	0.73	97.0	43.0	58.0	0.57	90.0	18.0	S-4.8
S112/1.9 S	NAS11201D9VW0SA	12	1.90	1.80	1.15	178	35.0	65.0	0.87	80.0	28.5	S-4.8
S112/4.5 S	NAS11204D5VW0SA	12	4.50	4.27	2.73	90.0	70.0	107	1.48	40.0	67.5	S-4.8
S112/7.2 S	NAS11207D2VW0SA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	S-4.8
S112/7.2 SR	NAS11207D2VW0RA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	SR-6.3
S112/9 SR	NAS1120009VW0RA	12	9.00	8.06	5.31	151	65.0	99.0	2.45	18.0	127.5	SR-6.3
S112/12 S	NAS1120012VW0SA	12	12.0	11.5	7.54	151	98.0	101	3.50	14.0	180	S-4.8
S112/12 SR	NAS1120012VW0RA	12	12.0	11.5	7.54	151	98.0	101	3.50	14.0	180	SR-6.3
S112/18 G6	NAS1120018VW0BA	12	18.0	17.2	11.3	181.5	77.0	167.5	5.40	16.0	270	G-M6
S112/26 G6	NAS1120026VW0BA	12	26.0	24.8	16.3	166	175	125	8.00	14.0	390	G-M6
S112/38 F6	NAS1120038VW0FA	12	38.0	38.0	23.2	197	165	170	12.20	10.0	456	F-M6
S112/18 F5	NAS1120018HW0FA	12	18.0	17.0	11.1	181.5	76.5	167.5	5.4	16.0	270	F-M5
S112/26 F5	NAS1120026HW0FA	12	26.0	24.8	16.3	166	175	125	7.8	14.0	390	F-M5
S112/7L SR	NASL120007HW0RA	12	7.42	7.1	4.3	151	65	99	2.45	23.0	105	SR-6.3
S112/9L SR	NASL120009HW0RA	12	8.6	8.5	6.0	151	65	99	2.66	17.0	135	SR-6.3
S112/12L SR	NASL120012HW0RA	12	12.0	11.7	7.38	151	98	101	3.5	27.0	180	SR-6.3
S112/18L F5	NASL120018HW0FA	12	18.0	17.7	11.1	181.5	76.5	167.5	5.7	24.0	270	F-M5
S112/25L F5	NASL120025HW0FA	12	25.4	24.2	14.8	166	175	125	7.8	14.0	360	F-M5

* ±2 mm



Nominal capacity
1.2 – 38 Ah
C₂₀



Block battery



Grid plate



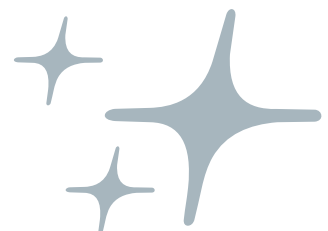
Recyclable



Valve regulated
lead-acid
batteries



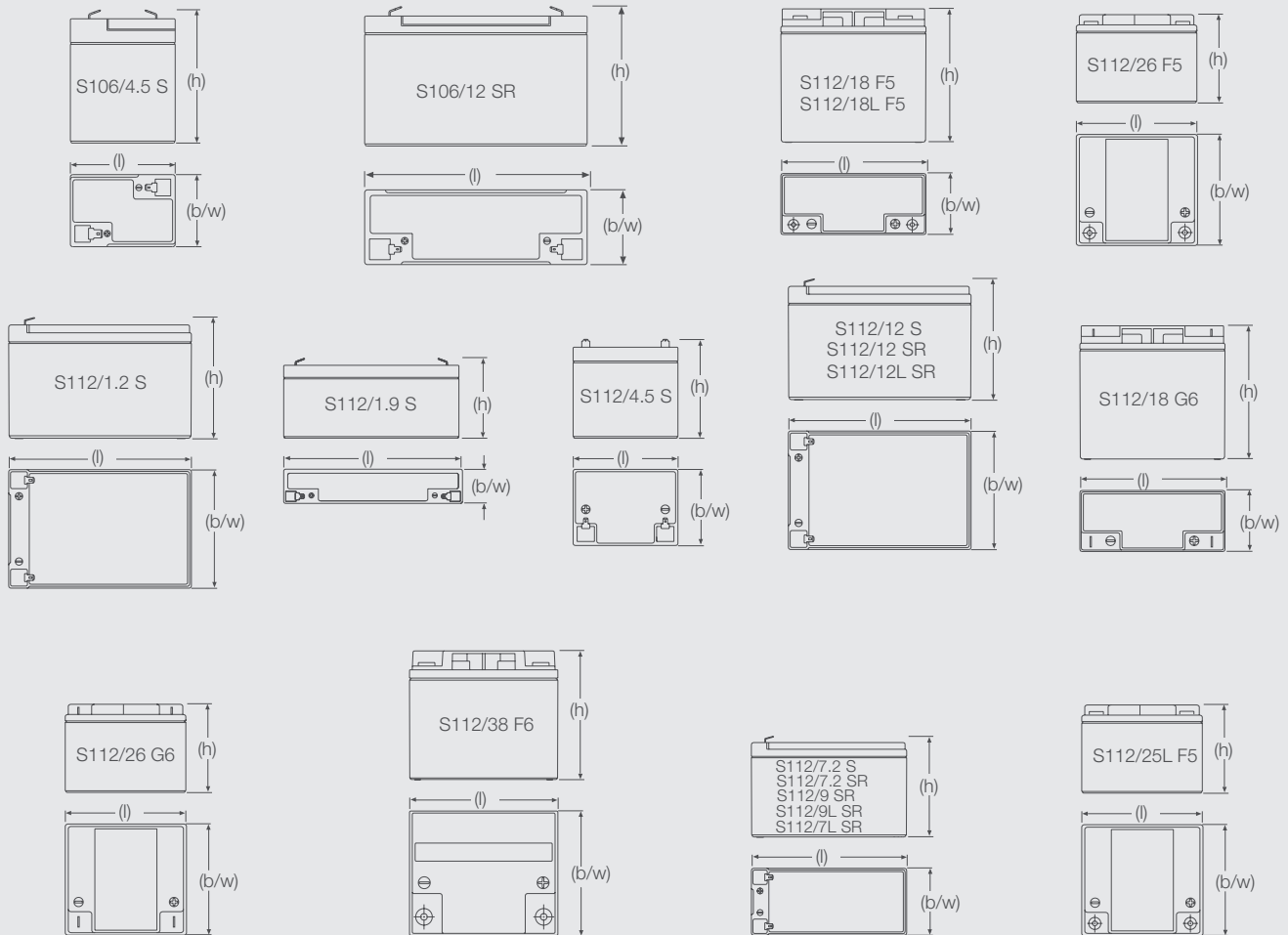
Maintenance-
free (no
topping up)



Powerfit S100 / S100L

The compact energy source with high performance

Dimensions



Note: Not to scale!

Container and terminal

> **Container:** ABS
no V0 available on S100 and S100L





Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. Exide Technologies provides a comprehensive and customized range of stored electrical energy solutions. Based on over 120 years of experience in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and automotive applications.

GNB Industrial Power – A division of Exide Technologies – offers an extensive range of storage products and services, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all of its products.

GNB[®] INDUSTRIAL POWER devises enduring energy concepts that convince with efficiency, flexibility and profitability.