GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

Industrial Batteries / Network Power

Powerfit S300

*»The **compact energy package** for **highest security demands**«*

Powerfit®

Powerfit S300

The compact energy source for highest security demands

GNB's Powerfit S300 batteries are general purpose batteries designed to fulfill the highest standards in performance and safety, proven by the renowned VdS certification. 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% re-maining capacity)
- > Container material conforms to UL 94 V-0
- > 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} 1.75 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	Termi-nal	VdS approval
S306/1.2 S	NAS30601D2VW0SA	6	1.20	1.15	0.754	97.0	24.0	58.0	0.29	65.0	18.0	S-4.8	
S306/4 S	NAS3060004VW0SA	6	4.50	4.30	2.83	70.0	47.0	106	0.81	25.0	67.5	S-4.8	
S306/7 S	NAS3060007VW0SA	6	7.50	7.16	4.71	151	34.0	100	1.20	15.0	112	S-4.8	
S306/12 S	NAS3060012VW0SA	6	12.0	11.4	7.49	151	51.0	100	1.95	15.0	180	S-4.8	G 112097
S306/12 SR	NAS3060012VW0RA	6	12.0	11.4	7.49	151	51.0	100	1.95	15.0	180	SR-6.3	G 112097
S312/1.2 S	NAS31201D2VW0SA	12	1.20	1.20	0.831	97.0	44.0	58.0	0.60	90.0	18.0	S-4.8	G 112093
S312/2.3 S	NAS31202D3VW0SA	12	2.10	1.90	1.31	178	35.0	66.0	0.96	90.0	31.5	S-4.8	G 112094
S312/3.2 S	NAS31203D2VW0SA	12	3.40	3.20	2.23	134	67.0	67.0	1.35	45.0	51.0	S-4.8	G 112095
S312/4 S	NAS3120004VW0SA	12	4.50	4.30	2.83	90.0	70.0	107	1.45	67.5	40.0	S-4.8	
S312/7 S	NAS3120007VW0SA	12	7.20	6.86	4.49	152	66.0	100	2.50	18.0	108	S-4.8	G 112096
S312/7 SR	NAS3120007VW0RA	12	7.20	6.86	4.49	152	66.0	100	2.50	18.0	108	SR-6.3	G 112096
S312/12 S	NAS3120012VW0SA	12	12.0	11.4	7.49	152	98.0	102	3.80	14.0	180	S-4.8	G 112098
S312/12 SR	NAS3120012VW0RA	12	12.0	11.4	7.49	152	98.0	102	3.80	14.0	180	SR-6.3	G 112098
S312/18 F5	NAS3120018VW0FA	12	18.0	17.2	11.2	182	77.0	168	5.80	16.0	270	F-M5	G 112099
S312/26 F5	NAS3120026VW0FA	12	26.0	24.8	16.2	167	175	125	8.00	14.0	390	F-M5	G 112100
S312/40 F6	NAS3120040VW0FA	12	38.0	36.5	22.0	197	165	170	13.2	10.0	456	F-M6	G 112101

* ±2 mm

Nominal capacity 1.2 – 38 Ah C_{20}

Block battery

Grid plate

Recyclable

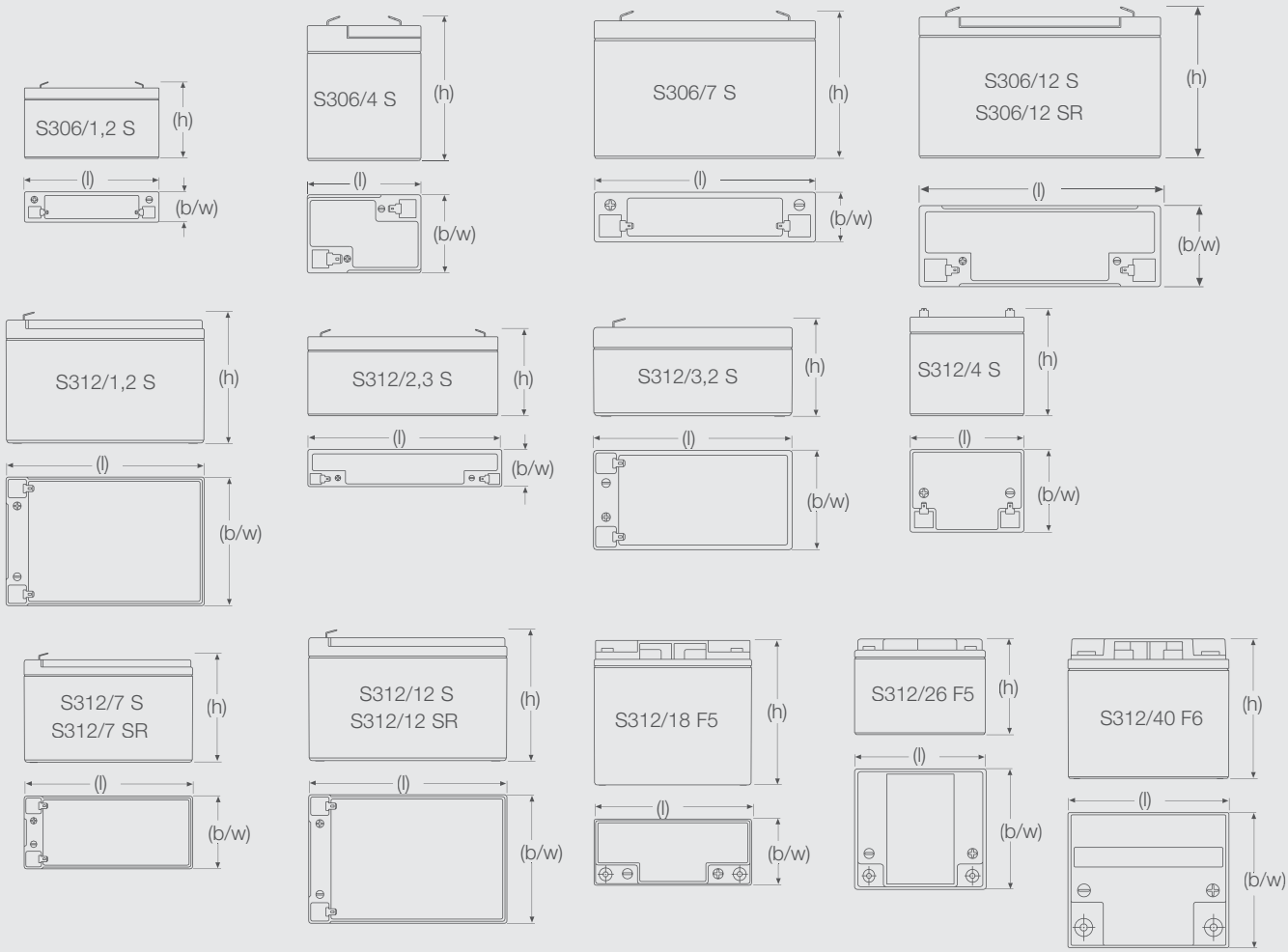
Valve regulated lead-acid batteries

Maintenance-free (no topping up)

Powerfit S300

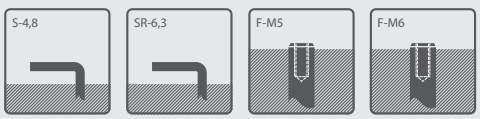
The compact energy source with best performance and all round qualities

Dimensions



Container, approval and terminal

> Container: UL 94 V-0 = ABS
> Approval: VdS (types see left side)



Applications

In addition to their suitability for general applications in security systems, the Powerfit S300 batteries are a reliable energy source for emergency lighting.

GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

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.

NXWS3TEPDF01215 Subjects to alterations

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

www.gnb.com