

Industrial Batteries / Network Power

Powerfit S300



»The compact energy package
 for more security«



Powerfit S300

The energy source with high performance and all round qualities

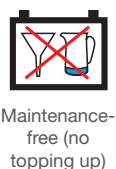
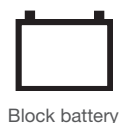
Specifications:

- > 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)
- > 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	Terminal	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

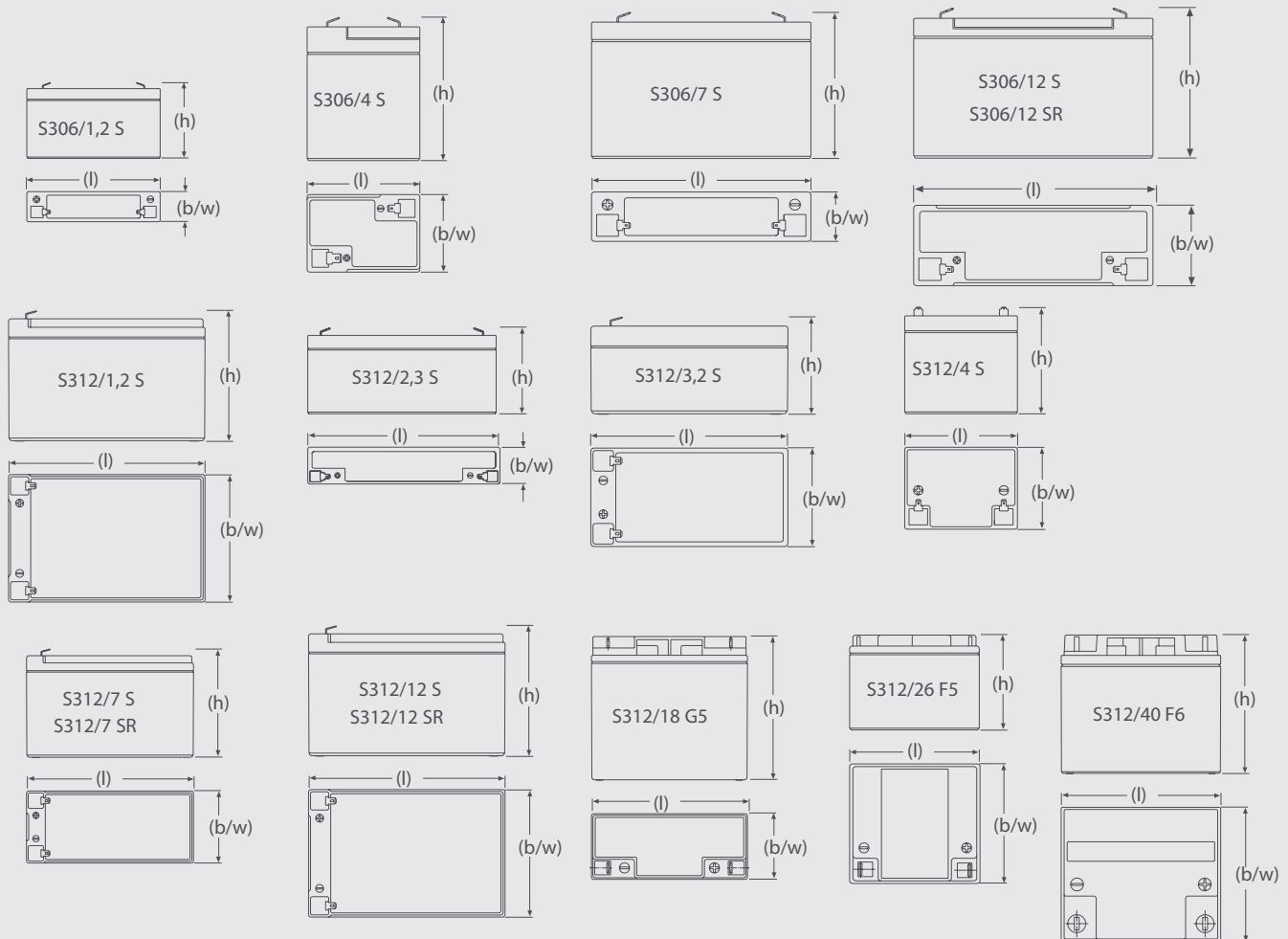
* ±2 mm



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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.



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 100 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 transportation 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**. Its Total Battery Management programme, (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.



»The **next Level** of
Energy Management«

GNB[®] INDUSTRIAL POWER provides long lasting energy concepts that combine efficiency with flexibility.