

## Industrial Batteries / Network Power

### Powerfit S300



»The compact energy package  
for more security«



**Powerfit**<sup>™</sup>

## 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 <sub>20</sub> 1.75 Vpc 25 °C Ah	C <sub>10</sub> 1.75 Vpc 25 °C Ah	C <sub>1</sub> 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 G5	NAS3120018VW0BA	12	18.0	17.2	11.2	182	77.0	168	5.80	16.0	270	G-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<sub>20</sub>



Block battery



Grid plate



Recyclable



Valve regulated  
lead-acid  
batteries

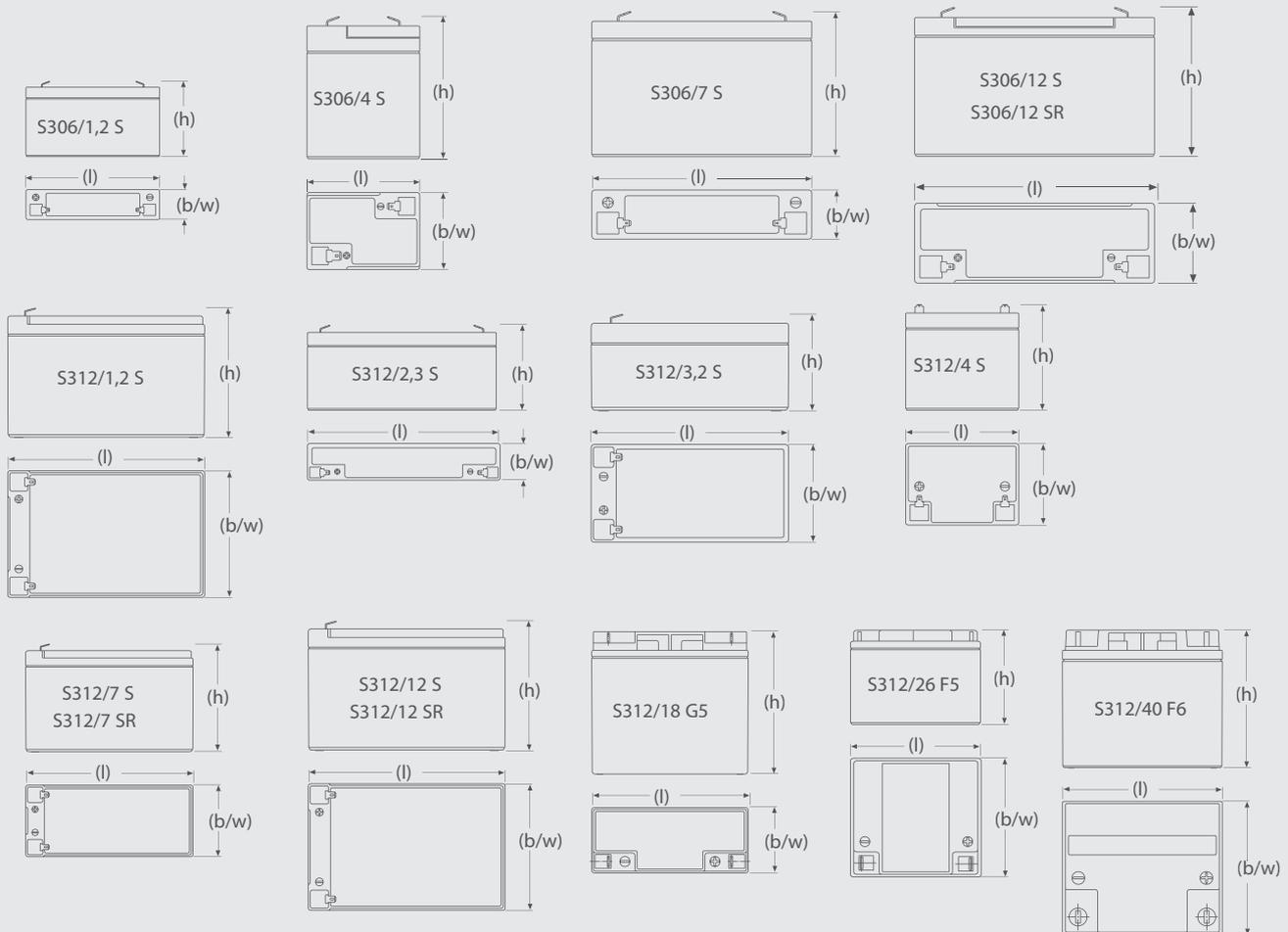


Maintenance-free (no  
topping up)

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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.