

Industrial Batteries / Network Power

Powerfit S300



»The compact energy package for highest security demands«







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

Туре Part number Nom-Length' Width³ Height' Weight Max Termi VdS Nom С С Internalcapacity C₂₀ 1.75 Vpc voltage 1.6 Vpc (\mathbf{I}) (b/w)(h) resistance discharge nal approval 1.75 Vpc 25 °C 25 °C acc. to IEC current 25 °C 60896-21 ca. f. 5 sec. V Ah Ah Ah mm mm mm kg mΩ Α S306/1.2 S NAS30601D2VW0SA 0.754 0.29 18.0 S-4.8 6 1.20 1.15 97.0 24.0 58.0 65.0 47.0 0.81 S306/4 S NAS3060004VW0SA 6 4.50 4.30 2.83 70.0 106 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 G 112097 SR-6.3 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 G 112094 S-4.8 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 NAS3120004VW0SA S312/4 S 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 6.86 4.49 2.50 108 12 7.20 152 66.0 100 18.0 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 12.0 7.49 3.80 14.0 180 12 11.4 152 98.0 102 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 12 S312/18 F5 NAS3120018VW0FA 18.0 17.2 11.2 182 77.0 168 5.80 16.0 270 F-M5 G 112099 S312/26 F5 14.0 NAS3120026VW0FA 12 26.0 24.8 16.2 167 175 125 8.00 390 F-M5 G 112100 S312/40 F6 NAS3120040VW0FA 12 38.0 36.5 22.0 170 13.2 10.0 456 F-M6 G 112101 197 165

Technical characteristics and data

* ±2 mm









Recvclable



X

Nominal capacity 1.2 – 38 Ah C₂₀ Block battery

Grid plate

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.







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.