



Industrial Batteries – Network Power
Powerfit S300
Compact energy for more security.

Specifications

Energy source with high performance and all-round qualities.

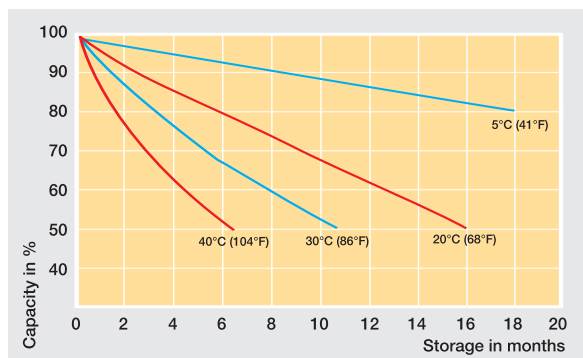
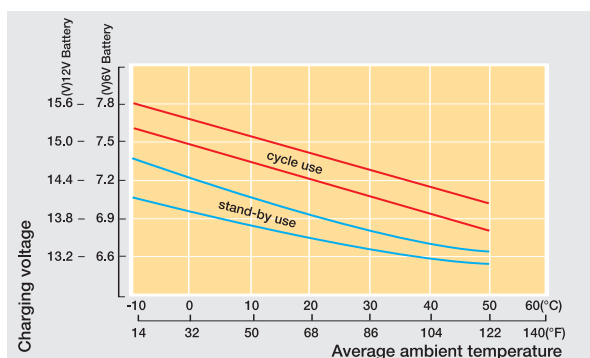
Specifications

- Rechargeable VRLA-batteries with an electrolyte retained in a glass mat with a very fine glass fibre structure
- Perfect combination between energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 1.2–40 Ah
- 5 years design life at 20°C ambient temperature (80% remaining capacity)
- Case material acc. to UL 94 V-2
- In compliance with IEC 896-2
- Grid plate construction consisting of a lead calcium alloy
- Low gas emission due to high gas recombination rate of 99%
- Low self-discharge rate (about 3% / month at 20°C)
- Proof against deep discharge according to DIN 43 539 T5
- Trouble-free transportation of operational blocks, no restrictions for most rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable



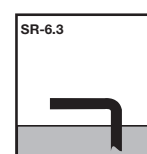
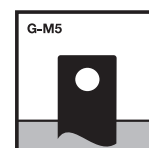
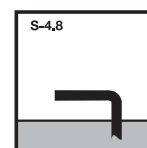
Applications

As well as their suitability for general applications in security systems, the Powerfit S300 batteries can be a reliable energy source for emergency lighting.



Container, approval and terminal

Container: UL 94 V-2 = ABS
Approval: VdS (Types see right side)



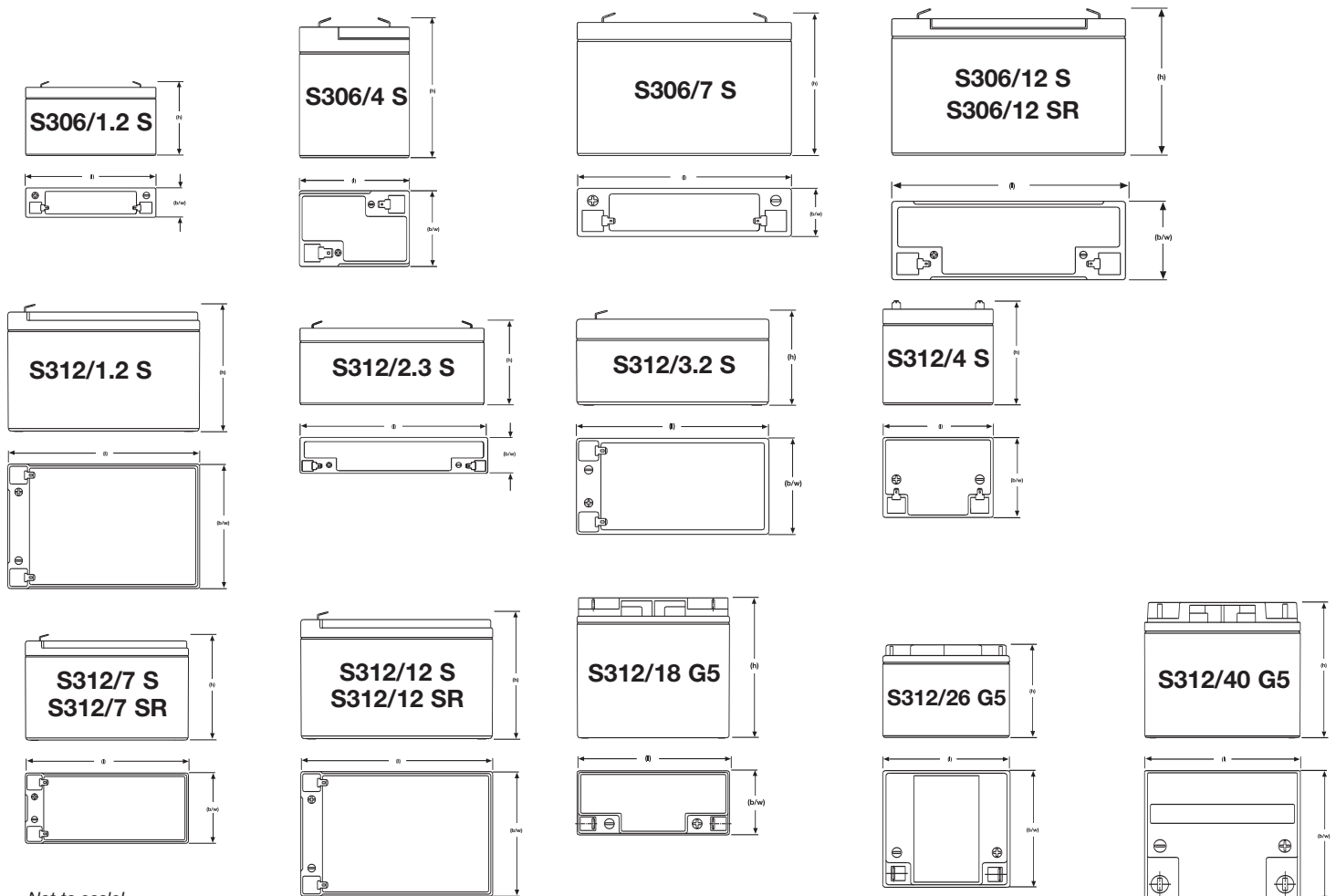
Technical characteristics and data

| Type | Part number | Nominal voltage V | Capacity | | | Length* (l) mm | Width* (b/w) mm | Height** (h) mm | Weight approx. kg | Internal resistance acc. to IEC 60896-21 mΩ | Max. dis. current f. 5 sec. A | Terminal | VdS approval |
|------------|-----------------|----------------------|------------------------------|------------------------------|----------------------------|----------------------|-----------------------|-----------------------|-------------------------|---|-------------------------------------|----------|--------------|
| | | | C20 1.75V/C 20°C Ah | C10 1.75V/C 20°C Ah | C1 1.6V/C 20°C Ah | | | | | | | | |
| S306/1.2 S | NAS30601D2VW0SC | 6 | 1.20 | 1.13 | 0.78 | 97 | 25 | 56 | 0.30 | 167 | 18 | S-4.8 | |
| S306/4 S | NAS3060004VW0SC | 6 | 4.00 | 3.80 | 2.62 | 70 | 47 | 106 | 0.85 | 56.2 | 60 | S-4.8 | |
| S306/7 S | NAS3060007VW0SC | 6 | 7.00 | 6.64 | 4.58 | 151 | 34 | 100 | 1.30 | 35.7 | 105 | S-4.8 | |
| S306/12 S | NAS3060012VW0SC | 6 | 12.0 | 11.4 | 7.86 | 151 | 50 | 100 | 2.05 | 20.8 | 180 | S-4.8 | G 103024 |
| S306/12 SR | NAS3060012VW0RC | 6 | 12.0 | 11.4 | 7.86 | 151 | 50 | 100 | 2.05 | 20.8 | 180 | SR-6.3 | G 103024 |
| S312/1.2 S | NAS31201D2VW0SC | 12 | 1.20 | 1.13 | 0.78 | 97 | 45 | 59 | 0.59 | 333 | 18 | S-4.8 | G 103047 |
| S312/2.3 S | NAS31202D3VW0SC | 12 | 2.30 | 2.19 | 1.50 | 178 | 34 | 65 | 0.94 | 179 | 34 | S-4.8 | G 103026 |
| S312/3.2 S | NAS31203D2VW0SC | 12 | 3.20 | 3.00 | 1.96 | 134 | 67 | 66 | 1.30 | 138 | 45 | S-4.8 | G 102103 |
| S312/4 S | NAS3120004VW0SC | 12 | 4.00 | 3.80 | 2.62 | 90 | 70 | 106 | 1.67 | 114 | 60 | S-4.8 | |
| S312/7 S | NAS3120007VW0SC | 12 | 7.00 | 6.64 | 4.58 | 151 | 65 | 98 | 2.60 | 67.1 | 105 | S-4.8 | G 101125 |
| S312/7 SR | NAS3120007VW0RC | 12 | 7.00 | 6.64 | 4.58 | 151 | 65 | 98 | 2.60 | 67.1 | 105 | SR-6.3 | G 101125 |
| S312/12 S | NAS3120012VW0SC | 12 | 12.0 | 11.4 | 7.86 | 151 | 98 | 98 | 4.03 | 40.9 | 180 | S-4.8 | G 102105 |
| S312/12 SR | NAS3120012VW0RC | 12 | 12.0 | 11.4 | 7.86 | 151 | 98 | 98 | 4.03 | 40.9 | 180 | SR-6.3 | G 102105 |
| S312/18 G5 | NAS3120018VW0BC | 12 | 18.0 | 16.1 | 11.1 | 181 | 76 | 166 | 6.15 | 29.6 | 255 | G-M5 | G 103016 |
| S312/26 G5 | NAS3120026VW0BC | 12 | 26.0 | 24.7 | 17.0 | 166 | 175 | 125 | 9.40 | 19.7 | 390 | G-M5 | G 102107 |
| S312/40 G5 | NAS3120040VW0BC | 12 | 40.0 | 37.9 | 26.2 | 196 | 165 | 171 | 14.3 | 14.7 | 600 | G-M5 | G 102109 |

* +/-2mm

** +/-3mm

Dimensions



Exide Technologies Industrial Energy – Energy solutions for a world on the move.



ABSOLYTE™

MARATHON™

Sprinter™

Powerfit™

Classic™

LIBERATOR™

Element™

Exide Technologies, with subsidiaries in 80 countries, is one of the world's largest manufacturers and recyclers of lead-acid batteries. Exide 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 is an esteemed partner of OEMs and serves the spare parts market for industrial and transportation applications. The Industrial Energy business unit offers an extensive range of storage products and services, including solutions for

telecommunications systems, railway applications, mining, photovoltaic (solar energy), uninterruptible 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.

Exide Technologies
www.industrialenergy.exide.com

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