

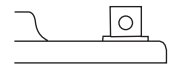


Industrial Batteries – Powerfit S300
Compact energy for more security.

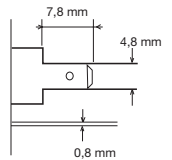
Energy source with high performance and all-round qualities.

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 during their whole service life
- Nominal capacity from 1.2 up to 65 Ah
- 5 years design life at 20°C ambient temperature (80% remaining capacity)
- 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 blocs, no restrictions for most rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable



G terminal

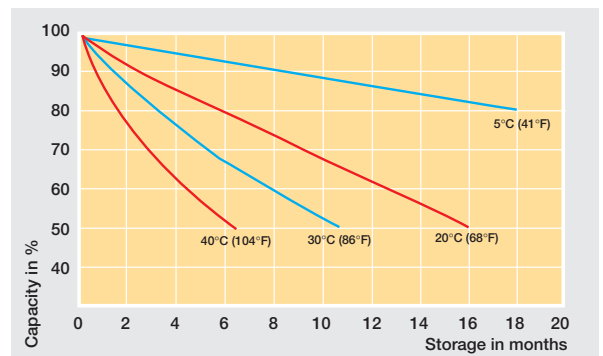
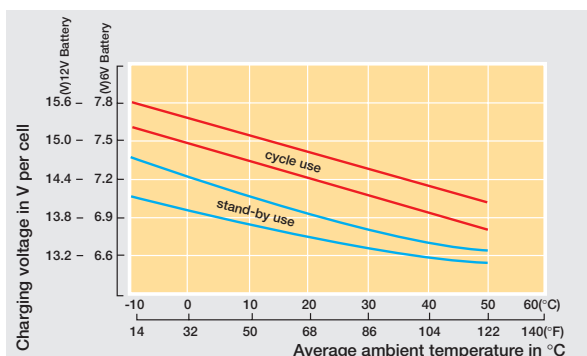


S terminal



Applications

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



Technical characteristics and data

Standard

| Type | Part number | Nominal voltage V | Capacity | | | Length ⁽¹⁾ x Width ⁽¹⁾ x Height ⁽²⁾ mm | | | Weight approx. kg | Internal resistance mΩ | Max. dis. current f. 5 sec. A | Terminal | Terminal position |
|------------|-----------------|-----------------------------|--------------------------------|--------------------------------|------------------------------|---|-----|-----|-----------------------------|----------------------------------|--|------------|----------------------|
| | | | C 20 1.75 VpC 20°C Ah | C 10 1.75 VpC 20°C Ah | C 1 1.6 VpC 20°C Ah | | | | | | | | |
| | | | | | | | | | | | | | |
| S306/1.2 S | NAS30601D2VW0SC | 6 | 1.2 | 1.10 | 0.70 | 97 | 25 | 56 | 0.30 | 65 | 18 | Faston 4.8 | 2 |
| S306/4 S | NAS3060004VW0SC | 6 | 4.0 | 3.80 | 2.40 | 70 | 47 | 106 | 0.85 | 25 | 60 | Faston 4.8 | 1 |
| S306/7 S | NAS3060007VW0SC | 6 | 7.0 | 6.65 | 4.20 | 151 | 34 | 100 | 1.30 | 16 | 105 | Faston 4.8 | 2 |
| S306/12 S | NAS3060012VW0SC | 6 | 12.0 | 11.40 | 7.20 | 151 | 50 | 100 | 2.05 | 10 | 180 | Faston 4.8 | 2 |
| S312/1.2 S | NAS31201D2VW0SC | 12 | 1.2 | 1.10 | 0.70 | 97 | 45 | 59 | 0.59 | 120 | 18 | Faston 4.8 | 4 |
| S312/2.3 S | NAS31202D3VW0SC | 12 | 2.3 | 2.19 | 1.38 | 178 | 34 | 65 | 0.94 | 75 | 34 | Faston 4.8 | 2 |
| S312/3 S | NAS3120003VW0SC | 12 | 3.0 | 2.85 | 1.80 | 134 | 67 | 66 | 1.30 | 60 | 45 | Faston 4.8 | 2 |
| S312/4 S | NAS3120004VW0SC | 12 | 4.0 | 3.80 | 2.40 | 90 | 70 | 106 | 1.67 | 45 | 60 | Faston 4.8 | 3 |
| S312/7 S | NAS3120007VW0SC | 12 | 7.0 | 6.50 | 4.20 | 151 | 65 | 98 | 2.60 | 25 | 105 | Faston 4.8 | 5 |
| S312/12 S | NAS3120012VW0SC | 12 | 12.0 | 11.10 | 7.20 | 151 | 98 | 98 | 4.03 | 18 | 180 | Faston 4.8 | 5 |
| S312/18 G5 | NAS3120018VW0BC | 12 | 18.0 | 16.15 | 10.20 | 181 | 76 | 166 | 6.15 | 16 | 225 | Bolt-nut-5 | 7 |
| S312/24 G5 | NAS3120024VW0BC | 12 | 24.0 | 22.30 | 14.40 | 175 | 166 | 125 | 9.40 | 10 | 360 | Bolt-nut-5 | 7 |
| S312/26 G5 | NAS3120026VW0BC | 12 | 26.0 | 24.70 | 15.60 | 175 | 166 | 125 | 9.40 | 10 | 360 | Bolt-nut-5 | 7 |
| S312/40 G5 | NAS3120040VW0BC | 12 | 40.0 | 37.20 | 24.00 | 196 | 165 | 171 | 14.30 | 8 | 600 | Bolt-nut-5 | 7 |

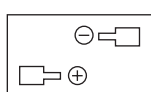
(1): +/-2mm (2): +/-3mm

With VdS approval

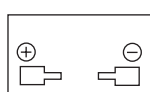
| Type | Part number | Nominal voltage V | Capacity | | | Length ⁽¹⁾ x Width ⁽¹⁾ x Height ⁽²⁾ mm | | | Weight approx. kg | Internal resistance mΩ | Max. dis.current f. 5 sec. A | Terminal | Terminal position |
|------------|-----------------|-----------------------------|--------------------------------|--------------------------------|------------------------------|---|-------|-------|-----------------------------|----------------------------------|---|-------------|----------------------|
| | | | C 20 1.75 VpC 20°C Ah | C 10 1.75 VpC 20°C Ah | C 1 1.6 VpC 20°C Ah | | | | | | | | |
| | | | | | | | | | | | | | |
| S306/10 S | NAS3060010VW0SA | 6 | 10.0 | 9.3 | 6.0 | 151 | 50.0 | 97.5 | 2.00 | 7 | 150 | Fast-on-4.8 | 2 |
| S312/1.2 S | NAS31201D2VW0SA | 12 | 1.2 | 1.1 | 0.7 | 97 | 47.5 | 55.0 | 0.57 | 120 | 18 | Fast-on-4.8 | 4 |
| S312/2 S | NAS3120002VW0SA | 12 | 2.0 | 1.9 | 1.2 | 178 | 34.0 | 64.0 | 0.91 | 60 | 30 | Fast-on-4.8 | 2 |
| S312/3.2 S | NAS31203D2VW0SA | 12 | 3.2 | 3.0 | 1.9 | 134 | 67.0 | 63.5 | 1.40 | 40 | 48 | Fast-on-4.8 | 4 |
| S312/7 S | NAS3120007VW0SA | 12 | 7.0 | 6.5 | 4.2 | 151 | 65.0 | 97.5 | 2.50 | 30 | 105 | Fast-on-4.8 | 5 |
| S312/12 S | NAS3120012VW0SA | 12 | 12.0 | 11.1 | 7.2 | 151 | 98.0 | 97.5 | 4.00 | 15 | 180 | Fast-on-4.8 | 5 |
| S312/18 G5 | NAS3120018VW0BA | 12 | 18.0 | 16.7 | 10.8 | 181 | 76.0 | 167.0 | 6.20 | 11 | 270 | Bolt-nut-5 | 7 |
| S312/24 G5 | NAS3120024VW0BA | 12 | 24.0 | 22.3 | 14.4 | 175 | 166.0 | 125.0 | 8.70 | 10 | 360 | Bolt-nut-5 | 7 |
| S312/40 G5 | NAS3120040VW0BA | 12 | 40.0 | 37.2 | 24.0 | 197 | 165.0 | 170.0 | 14.00 | 8 | 600 | Bolt-nut-5 | 7 |
| S312/65 G6 | NAS3120065VW0BA | 12 | 65.0 | 60.5 | 39.0 | 325 | 166.0 | 174.0 | 22.50 | 5 | 975 | Bolt-nut-6 | 6 |

(1): +/-2mm (2): +/-3mm

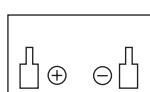
Terminal position



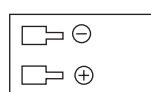
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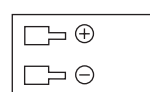
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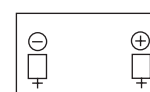
3



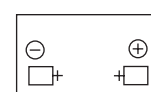
4



5



6



7

Exide Technologies Network Power – The Industry Leader.



Exide Technologies Network Power Division is the global leader in stored electrical energy solutions for all major critical reserve power applications and needs. Network power applications include communication/data networks, UPS systems for computers and control systems, electrical power generation and distribution systems, as well as a wide range of other industrial standby power applications. With a strong manufacturing base in both North America and Europe and a truly global reach (operations in more than 80 countries) in sales and service, Exide Technologies Network Power Division is best positioned to satisfy your back up power needs locally as well as all over the world.

Based on over 100 years of technological innovation the Network Power Division leads the industry with the most recognized global brands such as Absolyte, Sonnenschein, Marathon, Sprinter, and Flooded Classic. They are bywords for quality, reliability, performance and excellence in all the markets served.

Exide Technologies takes pride in its commitment to a better environment and its Total Battery Management program, 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.

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