



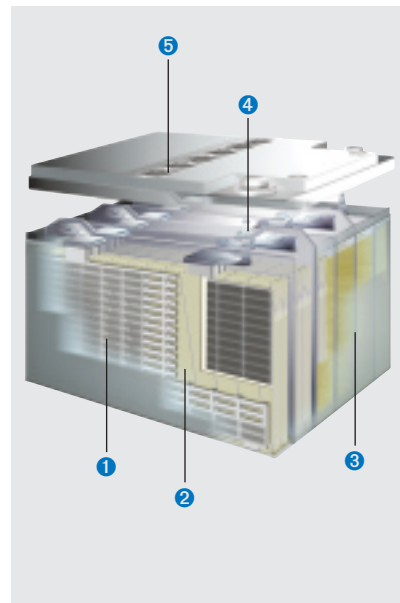
Industrial Batteries – Sonnenschein A400  
Outstanding cost efficient.

## A400: Make use of the superiority of the experienced dryfit technology.

Sonnenschein A400 batteries are extremely powerful and reliable. This superior product range perfectly fulfils the requirements for many different applications including telecommunications, industrial and alarm applications. The success of this product comes from the internationally experienced dryfit technology.

Compared with conventional liquid electrolyte batteries, the Sonnenschein A400 range has the distinct advantage that the electrolyte is fixed in gel which makes it completely free from maintenance. Battery rooms with their associated equipment are no longer required for most applications.

The A400 range is worldwide recognized as an environmentally friendly battery system. The batteries offer remarkable cost efficiencies (30% less overhead cost compared to conventional batteries) and ease of handling. 10 years design life, totally recyclable and a shelf life for up to 2 years at 20°C without a recharge makes the A400 range unmatched by any other system.



- ❶ **Plates:** Grid plate construction consisting of a lead calcium alloy, optimized for high corrosion resistance
- ❷ **Separator:** Microporous and robust, for electrical separation of the positive and negative plates and optimized for low internal resistance
- ❸ **Housing:** Up to 12 Ah in ABS, from 20 Ah up to 180 Ah in Polypropylene (PP)
- ❹ **Poles:** Stuck- or screw-connection (optional with internal thread) for easy and safe assembly and maintenance free connection with excellent conductivity
- ❺ **Valves:** Release gas in case of excess pressure and protects the cell against atmosphere



## A400 Specifications

- Exceptional energy storage capacity combined with long life
- Absolutely maintenance-free during the whole service life due to the Sonnenschein gel technology
- Nominal capacity 5,5 – 180 Ah
- 10 years design life time at 20°C ambient temperature (80% remaining capacity)
- Grid plate construction consisting of a lead calcium alloy
- Very low gassing due to internal gas recombination
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- Short recharging time
- Proof against deep discharge according to DIN 43539 T5
- Trouble-free transportation of operational blocks, no restrictions for air, rail and sea transportation (IATA, DGR clause A 67)
- Completely recyclable

## Applications

In telecommunications, Sonnenschein A400 batteries are simply indispensable. But also in applications like utility, emergency lighting, security, railways and other safety power supplies the Sonnenschein A400 is an absolutely reliable source of energy.



# 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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TECHNOLOGIES

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**ABSOLYTE**

**MARATHON**

**Sprinter**



**Classic**

**Powerfit**

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