



Industrial Batteries – Sonnenschein A600
Premium quality for uninterrupted communication.

Highest capacity and reliability for limited space.

Sonnenschein A600 batteries offer their high performance and reliability in both controlled and harsh uncontrolled environments. In contrast to conventional batteries, this type offers the advantage of horizontal mounting (WE). The requested space for the battery system can be minimized to one third.

In telecommunications, industry or UPS, the tremendous superiority of the A600 series results from the internationally experienced and successful dryfit technology. The electrolyte is fixed in gel which guarantees this battery to be completely maintenance-free.

Attractive attributes of this environmentally friendly battery system are a wide range of application due to a fine tuned product range which offers remarkable cost efficiency (30% less overhead cost compared to conventional batteries) and ease of handling. In addition, it has a design life of up to 18 years, is completely rechargeable and can be stored up to 2 years at 20°C without a recharge.



- ❶ Pos. plates: Robust tubular plates consisting of a lead calcium alloy, optimized for high corrosion resistance
- ❷ Neg. plates: Grid plate construction consisting of lead calcium alloy
- ❸ Separator: Microporous and robust, for electrical separation of the positive and negative plates and optimized for low internal resistance
- ❹ Housing: SAN, on request flame retardant ABS according UL 94-V0
- ❺ Poles: Screw connection for easy and safe assembly and maintenance-free connection with excellent conductivity
- ❻ Valves: Release gas in case of excess pressure and protects the cell against atmosphere



Specifications

- Two options:
 - A600 for vertical installation
 - A600 WE for horizontal installation
- Extraordinary energy-saving features in addition with robust reliability
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 100 – 3000 Ah C_{10}
- Design life: 15 years for 6/12V-blocks and 18 years for 2V-cells at 20° (80% remaining capacity from C_{10})
- Container material:
 - blocks = ABS, UL 94-HB; optional ABS, UL 94-V0
 - cells = SAN, UL 94-HB; optional ABS, UL 94-V0
- Robust tubular plate technology
- Very low gassing due to internal gas recombination
- Long shelf life of up to 2 years at 20°C without recharge due to the very low self discharge rate
- Proof against deep discharge according to DIN 43 539 T5
- In compliance with DIN 40744 (blocks), DIN 40742 (cells)
- Trouble-free transportation of operational blocks and cells, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable

Applications

In the first place, batteries of the Sonnenschein A600 series care for undisturbed connection in telecommunication fields such as telephone exchanges or mobile phone base stations. Further applications include emergency lighting, security, railways, utility and other power supplies for safety systems.



Exide Technologies Network Power – The Industry Leader.



ABSOLYTE

MARATHON

Sprinter



Classic

Powerfit

Exide Technologies Network Power Division is a 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 have come to symbolize quality, reliability, performance and excellence in all the markets served.

Exide Technologies takes pride in its commitment to a better environment. 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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