

Ni-Cd Block battery range

Proven back-up performance and reliability for industrial applications



Saft Block battery LE/M/H: a wide choice of capacity and performance

Saft has developed the SBLE, SBM and SBH ranges of block batteries to offer the optimum, flexible solution for all stationary applications. The choice of low, medium and high capacity types makes it easy to select the ideal battery, based on

the required discharge time and end of discharge voltage. Thanks to the robust and reliable Saft Nife® pocket plate technology they resist electrical abuse, shock and vibrations. Furthermore, a generous reserve of electrolyte means

that the block batteries need only basic maintenance, while operating across a wide range of fluctuating temperatures, ensuring an optimized Total Cost of Ownership (TCO) over a life cycle that can last 20 years or more.

	LE Type	M Type	H Type
Range of cells	58	68	51
Capacity	7.5 – 1690 Ah	11 – 1445 Ah	8.3 – 920 Ah
Performance	For low rate discharge over long period between 1 and 100 hours	For varied loads with low and high discharge rates or medium rate discharge between 30 minutes and 3 hours	For high rate discharge over short periods less than 30 minutes
Applications	Power back-up applications		Power back-up and starting applications

Extended and improved to meet evolving needs

Saft's Block battery range has now been upgraded, featuring three significant advances:

- **Broader range** – additional capacities enable sizing a battery more precisely to requirements for the optimum, most cost-effective solution.
- **Lower maintenance** – water topping-up interval is up to two times longer, contributing to reduced battery maintenance and lower overall TCO.
- **Improved chargeability** – faster recharge time maximises performance for better system reliability and continuity.



SAFT

Setting the benchmark for industrial batteries

Ni-Cd for proven reliability even when operating in difficult and demanding conditions

- Delivers performance, reliability and a long, totally predictable service life – with no risk of sudden death failure.
- Ensures a 20+ years service life at + 25°C (+ 77°F).
- Even at + 35°C (+ 95°F), service life is reduced by just 20% compared with 50% for a lead-acid battery.

Define the ideal battery for every application

- Performance optimised for each application according to the plate thickness.
- Optimised design boosts electrical performance by up to 10% depending on discharge time.
- More capacity steps enabling the battery to be sized more closely to exact requirements.

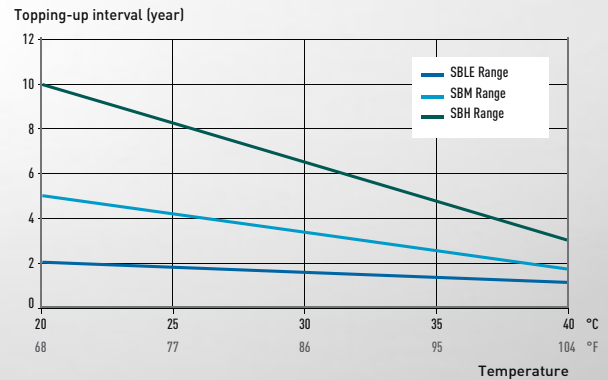
Low maintenance contributes to lower overall TCO

- Topping-up interval extended by up to 2 times in standard conditions at + 20°C (+ 68°F) and float voltage.
- A simple annual maintenance inspection is recommended to check correct functioning of the charging system, battery and auxiliary electronics.

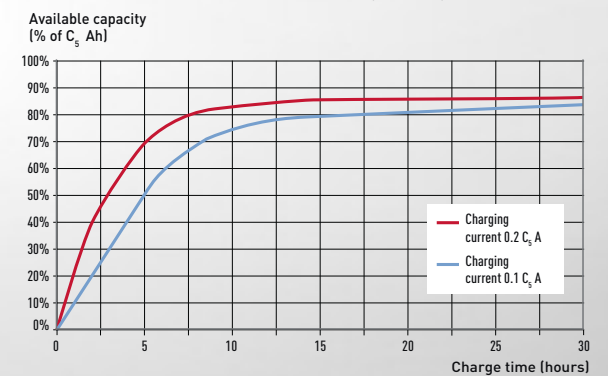
Higher chargeability to minimise down time

- Faster recharge time enables at least 80% recovery of capacity from fully discharged conditions at float in 15 hours.

Typical topping up intervals at recommended charging voltage



SBM Range – Available capacity after constant voltage charge 1.40 VPC at + 20°C (+ 68°F)



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