

NICKEL CADMIUM BATTERIES

Rate discharge:

SBLE, SBM and SBH offer different performance characteristics and cover a wide capacity range, enabling selection of a Saft Ni-Cd battery for any application.

L type

The L type has the thickest plates and is designed for applications where the battery is required to provide

- a reliable source of energy over long discharge periods.
- a current that is relatively low in comparison with the total stored energy.
- discharges are generally infrequent
- L type is typically used in power - backup and bulk energy storage applications.

(Ah From 7.5 To 1660)

M type

The M type is designed for applications where the batteries are usually required to sustain

- electrical loads for between 30 minutes to 3 hours
- “mixed” loads which involve a mixture of high and low discharge rates.
- frequent or infrequent discharges
- M type is typically used in power backup applications.

(Ah From 11 To 1390)

H type

The H type uses very thin plates and is designed for applications demanding:

- a relatively high current over short periods
- usually less than 30 minutes duration
- frequent or infrequent discharges.

H type is typically used in starting and power back up applications.
(Ah From 8.3 To 920)

Protective cover
•to prevent external short-circuits
•in line with EN 50272-2 (safety) with IP2 level

Plate group bus
Connects the plate tabs with the terminal post.
Plate tabs and terminal post are projection-welded to the plate groupbus.

Separating grids
Separate the plates and insulate the plate frames from each other
The grids allow free circulation of electrolyte between the plates.

Cell container
Material: translucent polypropylene.

The cells are welded together to form rugged blocks of 1-6 cells depending on the cell size and type.

Flame-arresting vents
Material: polypropylene.

Plate tab
Spot-welded both to the plate side-frames and to the upper edge of the pocket plate.

Plate frame
Seals the plate pocket and serves as a current collector.

Plate
Horizontal pockets of double-perforated steel strips.

Saft cells fully comply and exceed the requirements of the IEC60623 standard.

