

Battery Construction

Terminals

Terminals are connected to the storage plates and become the connection points for battery cables that lead to the (+) and (-).

Multiple terminal and configuration options available.

Plates / Grids

The battery plates hold the electrical charges (+) and (-).

Discover uses maintenance-free technology and a traction heavy duty grid design (PbCaSn) that gives consistent active material adhesion and corrosion resistance.

The plates are tightly packed and compressed to prevent plate separation to guard against vibration damage.

EV Traction Dry Cell batteries are designed with the thickest plates to enable deep discharging and highest active material to acid ratio.

Safety Relief Valve

The valve opens and relieves gas pressure in the event of excessive pressure and/or overcharge.

The one-way design ensures that no oxygen reacts with the battery plates causing internal discharge.

Separators

Discover batteries have double insulating micro porous glass fiber separators to ensure consistent performance. This material provides superior electrolyte absorption and retention ability as well as excellent conductivity.

Case / Container

Discover constructs batteries with high impact reinforced copolymer and polypropylene cases with flat top designs. This design also provides thermally welded case-to-cover bonds.

Depending on model, carrying handles are available.

Battery cases are non-spillable and leak-proof in design construction. Discover batteries and technologies are exempt from HAZMAT shipping requirements and are not restricted for transport by air, surface and water.

