

IDX, Japanese Quality

As a Japanese battery manufacturer, IDX is always in the pursuit of quality and excellence.

Top Class Safety and Reliability

A battery is an item with chemical properties that produce electricity. To maintain consistent reliability that professionals seek, batteries must be produced with precision engineering on the structure and very delicate and advanced technology for the cathode, anode, and electrolyte materials.

IDX exclusively uses top tier Sanyo/Panasonic cells for all IDX li-ion batteries to ensure consistency and high reliability.



Over-current Protection

High-precision over current protection and thermal detection circuitry work in conjunction to mitigate cell balance collapses.

Reverse polarity protection

The reverse polarity protection mechanism is built-in to minimize equipment damage caused by human error.

Overcharge protection

Multiple over-charging safety mechanisms are built-in to prevent serious damage to the cells.

Over-discharge protection

Over discharging adversely affects the battery's cell balance. The over discharge protection mechanism halts discharging to prevent cell damage.

Partition structure

Partition wall structures prevent heat propagation within the battery pack when a battery cell experiences a short circuit.

Designed for internal analysis

Performing detailed internal analysis is possible without destroying the housing case.

