

Cell Contacting System for Pouch

Our ENNOVI-CellConnect-Pouch prioritizes cost effectiveness, faster manufacturing cycle time and protection against thermal runaway with advanced lamination and FDC technology.

PRODUCT ENNOVI- CellConnect- Pouch

Need a custom solution?

CONTACT US



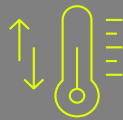
ENNOVI™

ADVANCED LAMINATION TECHNOLOGY



Uses ENNOVI's advanced lamination technology which ensures structural integrity and durability. Low voltage signals are integrated to streamline material used to achieve lower BOM cost.

SUPPORTS FAST GAS RELEASE



Pre-cut material with good electrical insulation property and good temperature stability, with the option for gas vent cutouts.

COST EFFICIENT



Our proven technology, knowledge in CCS, vertically integrated production and precision processes help lower costs, simplify logistics and reduce development time.

APPLICATIONS

- + Electric vehicles
- + Commercial transportation
- + Energy storage system
- + Personal mobility

01. DIELECTRIC LAYER

- + FDC copper traces are incorporated into the upper dielectric layer.
- + Lower dielectric layer is formed to the shape of the current collectors.
- + Lamination material: PI or PET is used for the dielectric layers.
- + Lamination layers bonded together through advanced lamination processes, with all components layered in between.
- + Option for gas vent cutouts to aid in fast gas release in a thermal event.
- + Maximum tension capability.

02. FRAME

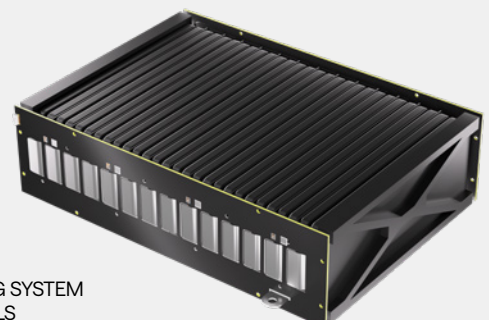
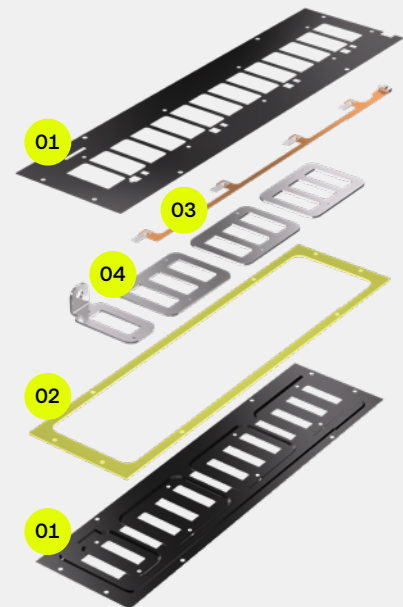
- + Stiffener in 4 locations to provide stability, rigidity and mechanical reinforcement.
- + Material: FR4

03. FDC TRACES

- + High-precision Die Cutting technology for tight tolerances.
- + Material: Copper.
- + Continuous traces that provides reliable signal.
- + Built-in fuse traces or SMT fuses can be incorporated depending on customer requirements.
- + NTC is incorporated to traces for temperature sensing.
- + Current collector tabs are soldered to copper traces for tight packaging space requirements and to achieve reliable signals.

04. CURRENT COLLECTOR

- + Thickness: 2 – 3 mm
- + Material: Copper with nickel plating.
- + High-precision stamped for tight tolerances.



CELL CONTACTING SYSTEM
WITH POUCH CELLS