Thermal product solutions for hybrid and electric vehicles.

Dana designs, develops, and manufactures custom heat transfer products for vehicle electrification. Our extensive range of Long® brand thermal-management products sets the industry standard for innovation and quality.
Thermal-management technologies for the most advanced vehicles.

Dana offers a range of thermal-management products for battery, chiller, and power electronics applications, for both light- and heavy-duty vehicles. Dana’s extensive R&D facilities enable custom-designed cooling solutions that feature lightweight aluminum constructions and ultra-clean products.

With deep expertise and problem-solving ability in thermal-management applications, Dana provides solutions that are customized to exact OEM needs. Learn more today by visiting dana.com/light-vehicle.

InterCell Plate Battery Cooling
- Thin (1 mm) plate cooler with internal liquid-cooling channels
- Interleaved between cells for maximum thermal surface contact
- Best achieved cell temperature uniformity for extended battery life
- Effective cooling during fast charge/discharge
- Integrated dielectric separation coating

Cold Plate Battery Cooling
- Liquid-cooled plate for mounting hard can battery modules
- Lightweight, stamped aluminum construction – fluxless joined for non-ionic coolant compatibility
- Flow balanced designs for uniform battery pack temperature
- Customized fluid connectors and routing lines

Battery Chiller
- Refrigerant to glycol loop chiller
- Transfers heat from battery to vehicle’s A/C system
- Compact, high-performance design with integrated expansion valve

Two-Sided Insulated Gate Bipolar Transistor (IGBT) Chip Cooling Modules
- For DC/AC inverter and DC/DC converter IGBT cooling
- Lightweight, fluxless joined aluminum construction
- Superior flatness for chip thermal contact

Subcooled Loop Radiator
- For battery subcooled loop heat rejection
- High-performance internal heat transfer augmentation for low grade heat rejection
- Fluxless joined aluminum for compatibility with non-ionic coolants

Application Policy
Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.