

New Innovative TMPIM Converter-Inverter-Brake (CIB) Power Module for Industrial Drives

Innovation

New TMPIM uses innovative transfer mold process, optimized IGBT/FRD design and advanced substrate technology, delivering values to our customer in long lifetime, high efficiency and high power density

Value Advantage

- ✓ High efficiency and robustness suitable for motor drive and HVAC applications
- ✓ Improves the thermal cycling lifetime by 10x and power cycling lifetime by 3x than normal gel filled power module
- ✓ Reducing volume by 50% greatly increases the power density
- ✓ Hermetic and plated for certain corrosion gas working environment
- ✓ 6mm pin to heatsink clearance distance according to IEC61800-5-1

Current Proposition

- ✓ 1200V 25A/35A/50A CIB and CI modules are released.
- ✓ 650V class modules with current ranging from 35A to 150A are releasing
- ✓ QLP covers the power ranging from 10kW to 20kW CIB modules including 1200V 75A/100A CIB module and is coming soon.

Roadmap

