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POETS by the numbers:

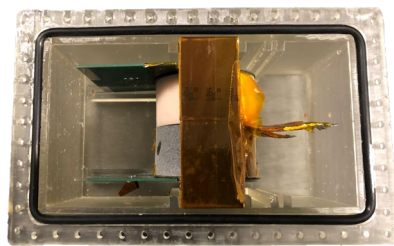
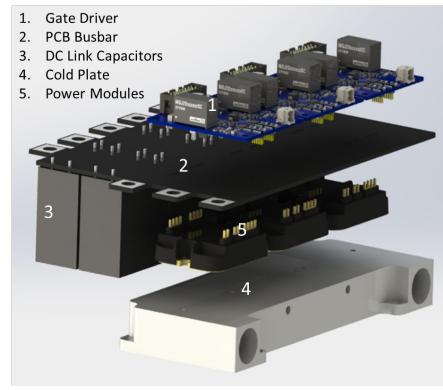
- 4 Universities - University of Illinois at Urbana-Champaign (lead), Howard University, Stanford University, University of Arkansas
- 31 Faculty
- 107 Student Researchers
- 38 Ph.D., 29 M.S., 9 B.S. Degrees Granted to date
- 35 Graduates working in industry to date
- 229 POETS publications
- 64 Technical Reports
- 3 Testbeds – Aerospace, Off-Highway, On-Highway
- 3 Full patents
- 3M+ in Associated Project Funding (2020-2021)

P / O E T S

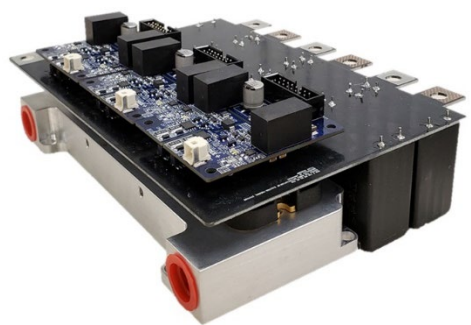
Recent POETS Projects

- A High Density Isolated High Voltage (800V) DC-DC Converter for Auxiliary Power Supplies in Automotive and Off-Road Applications
- A Power-Dense (50 kW/L) Electric Drive Traction System
- Additive-Manufacturing-Enabled High-Temperature and High-Density Power Electronics

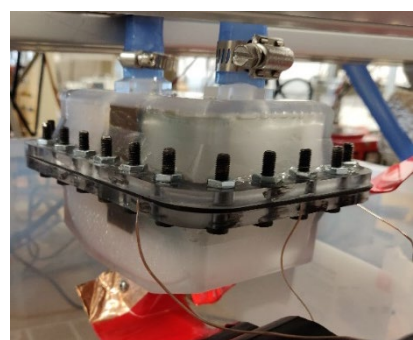
POETS & Related Research



30 kW Composite DC/DC Converter for Drivetrain



POETS GEN-2 Traction Inverter (150kW Peak, 86kW/L)



5 kW 800V/48V DC/DC for Auxiliary Power Module (APM)

