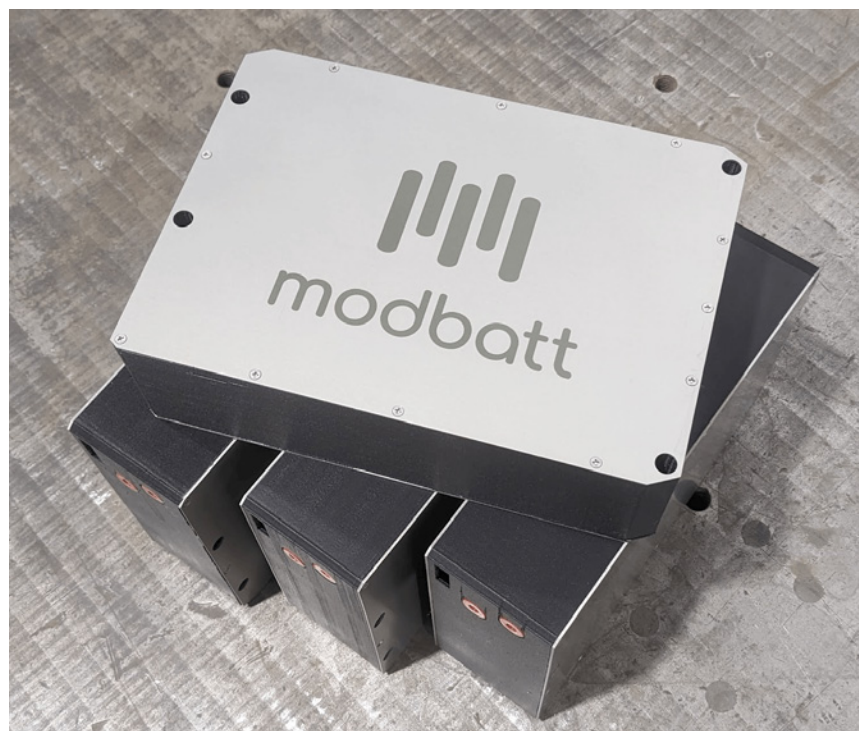
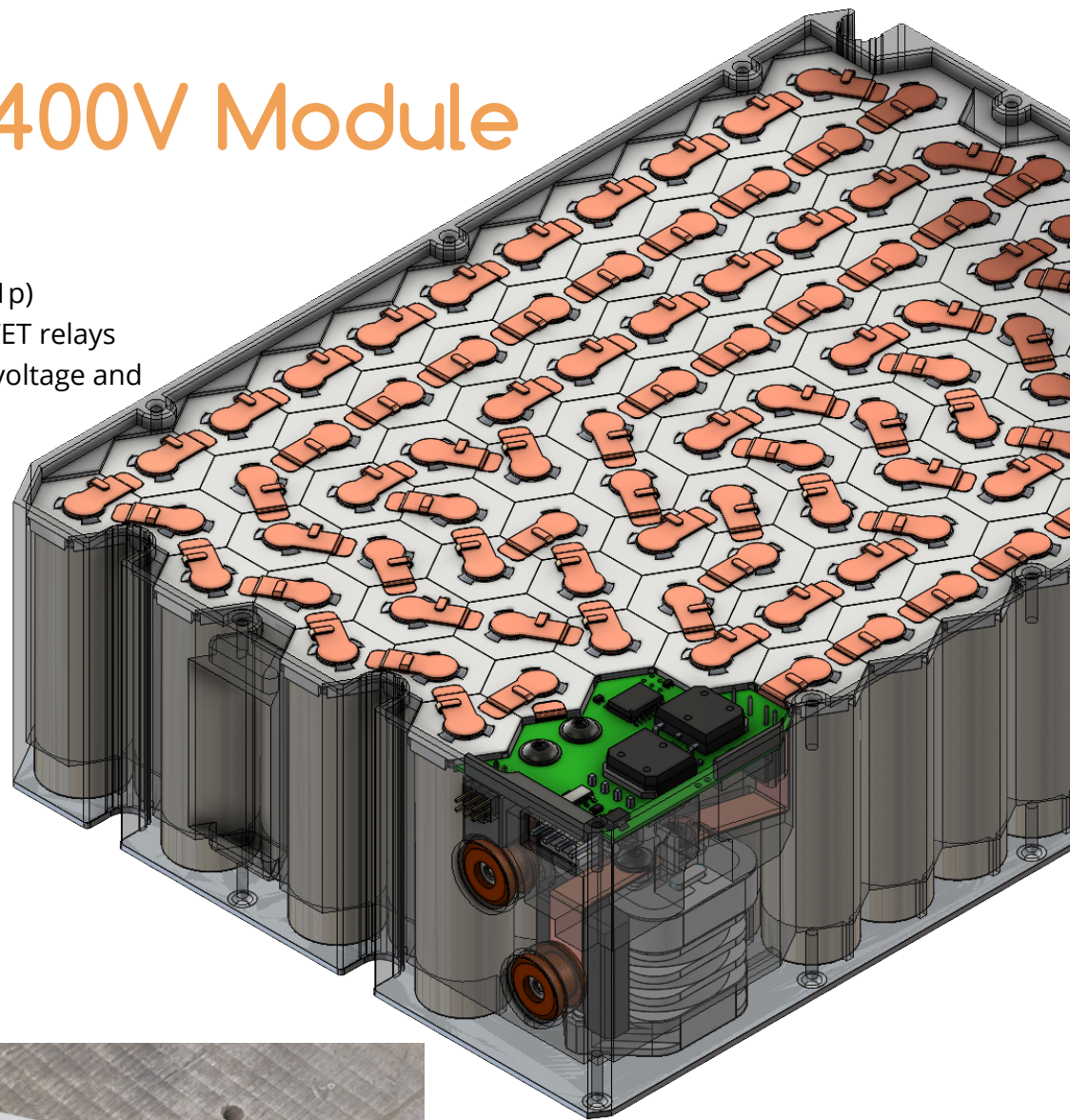


ModBatt 400V Module

Key features

- Series connections only (94s1p)
- Internal mechanical and SiCFET relays
- Full BMS with individual cell voltage and temperature monitoring
- This architecture allows for extremely low impedance interconnect to minimize waste heat generation and reduce the need for cooling.
- Each cell is thermally coupled to aluminum heat spreader plates on top and bottom (end cooling). External liquid, air, or conductive cooling can be added if needed.
- Modbatt pack controller to manage individual modules and talks to the vehicle's VCU via CAN.



Module Specifications

Electrical Characteristics

- 400V nominal
- 1.5 kWh
- 94 Cells - (Molicel P42a)
- 42A Max continuous current
- 50A Max pulse current
- Can deliver up to 15 kW of power
- 0.0013 Ω Impedance per cell/ conductor/weld
- 1.0 Ω Total impedance

Physical Characteristics

- 10.5" x 7.4" x 3.1" (26.7 x 18.8 x 7.8 cm)
- 15 lb 13 oz (7.2 kg) - Bare
- 16 lb 15 oz (7.7 kg) - Encapsulated