Graphite heat exchangers for thermal management of battery chargers

Status: Available

Group Members:

Sponsor(s):

Supervisor(s): Dr. Majid Bahrami, PhD, P.Eng., Professor, Mechatronic Systems Engineering

Project Description

Battery chargers are important components in electric, plug-

for thermal management of power electronics and a develop an efficient and compact liquid-cooled graph cooling the battery chargers developed by our indus Optimizing and designing single-phase heat transfer Additionally, air-cooled heat sinks are to be designe chargers. Fundamental understanding, modeling, ar cold plates are within the scope of this project.

Required Skills

Required:

- Professionalism; being committed, punctual,
- · Good communication skills (oral and written)
- General knowledge of Thermodynamics, Flu
- General knowledge of Control systems,
- General knowledge of SolidWorks,
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