More electric aircraft applications: Tübitak projesi için incelenmeli

Effect of interleaving on ground voltage

Common mode currents in motor housing (with and without interleaving)

Voltage balancing on series connected modules, PWM mismatch. LC filter for PWM mismatch

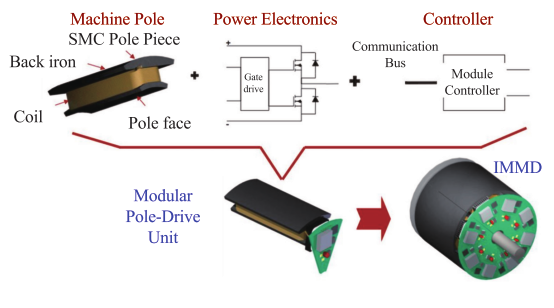
3rd harmonic elimination fikri bi yerde dursun

Topology comparison’da number of components, voltage stress, capacitor size ekleyelim

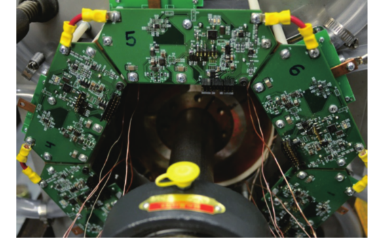
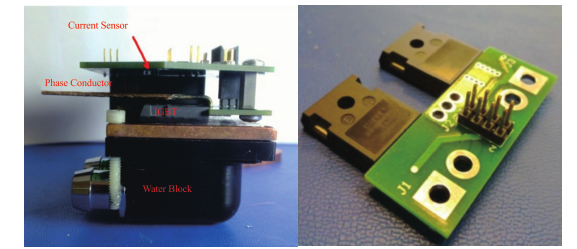
Enteresan fikir: An Integrated 20-kW Motor Drive and Isolated Battery Charger for Plug-In Vehicles

<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363611>

İlk olarak bildiğimiz IMMD konsepti 2004 yılında ortaya atıldı.

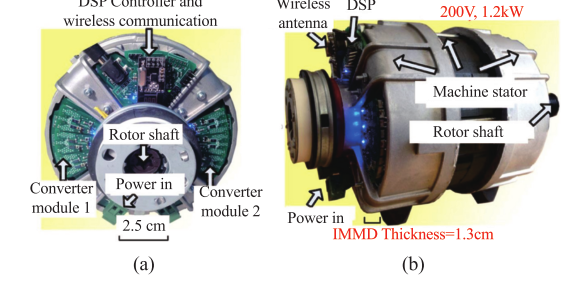
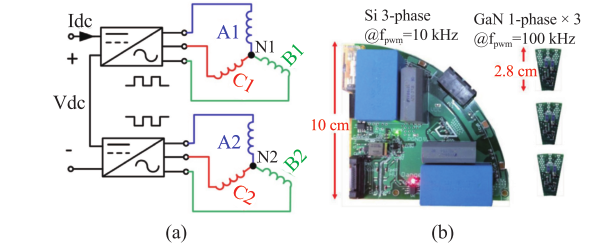
Shea 2014

Second generation IMMD (silicon based), Shea 2014, 2015



This was the first IMMD prototype unit that included a dedicated controller in each module.

Third generation IMMD (GaN based), Wang (Wisconsin), 2015-2016



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