

**Modified high voltage gain soft-switched quasi-switched boost inverter**

Abbasi Aghdam Meinagh, Farhad; Babaei, Ebrahim; **Vinnikov, Dmitri**; **Chub, Andrii** 2019 IEEE International Conference on Industrial Technology, ICIT 2019 : Melbourne, Australia, 13-15 February 2019 : proceedings 2019 / p. 1087-1092 : ill  
<https://doi.org/10.1109/ICIT.2019.8755041>

**A new coupled-inductor-based buck/boost DC/DC converter with soft switching for DC microgrid applications**

**Maheri, Hamed Mashinchi**; Heris, Pedram Chavoshpour; Saadatizadeh, Zahra; Babaei, Ebrahim; **Vinnikov, Dmitri** IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2021 / p. 1-6  
<https://doi.org/10.1109/CPE-POWERENG50821.2021.9501195>

**A new high step-up switched-capacitor/inductor based DC-DC converter**

**Mashinchi Maheri, Hamed**; Saadatizadeh, Zahra; Chavoshpour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 <https://doi.org/10.1109/RTUCON53541.2021.9711590>

**A new transformer-less single switch boost DC-DC converter with lower stress**

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