

An electrolytic capacitor-less multiple-output LED driver with a universal input voltage

Awad, Khaled; **Abdel-Rahim, Omar**; Gaafar, Mahmoud A.; Orabi, Mohamed; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 I. <https://doi.org/10.1109/ENERGYCON53164.2022.9830255>

High-performance buck-boost partial power quasi-Z-source series resonance converter

Abdel-Rahim, Omar; **Chub, Andrii**; **Mashinchi Maheri, Hamed**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 <https://doi.org/10.1109/ACCESS.2022.3225751> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Partial buck-boost resonant power converter for residential PV applications

Abdel-Rahim, Omar; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 5 I. <https://doi.org/10.1109/ENERGYCON53164.2022.9830394>

Series buck-boost partial power converter based on the push-pull converter

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Step-up current-source partial power converter for PV systems

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