

**Grid-connected single-phase 3L-T-type qZS inverter for renewable energy**

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**A new flying capacitor-based buck-boost converter for dual-purpose applications**

**Hemmati Shahsavar, Tala**; **Vosoughi Kurdkandi, Naser**; **Husev, Aleksandr**; Babaei, Ebrahim; Sabahi, Mehran; Khoshkbar-Sadigh, Arash; **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in industrial electronics 2023 / p. 447-459 <https://doi.org/10.1109/JESTIE.2023.3238322>