

### **A simple modular active power electronic transformer**

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### **Active power electronic transformer based on modular building blocks**

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### **Analysis and design of asymmetric quad-active-bridge converter**

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### **Analysis of current doubler rectifier based high frequency isolation stage for intelligent transformer [Electronic resource]**

**Beldjajev, Viktor; Roasto, Indrek; Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 336-341 [CD-ROM]

### **Analysis of holdup time for DC grid-forming isolated active front-end converters**

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### **Analysis of new bidirectional DC-DC converter based on current doubler rectifier**

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### **Code development of a DSP-FPGA based control platform for power electronics applications**

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**Matiushkin, Oleksandr; Husev, Oleksandr; Afshari, Hossein;** Romero-Cadaval, Enrique; Roncero-Clemente, Carlos IEEE transactions on industrial electronics 2024 <https://doi.org/10.1109/TIE.2024.3429626>

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**Jõutrafad. Osa 7, Mineraalõlitäitega jõutrafade koormusjuhend [Võrguteavik] = Power transformers. Part 7, Loading guide for mineral-oil-immersed power transformers (IEC 60076-7:2018, identical)**

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## New practical approach to input current shaping in AC-DC power converters

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## New practical approach to input current shaping in AC-DC power converters [Electronic resource]

**Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo** EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 154-158 : ill. [CD-ROM] [https://www.researchgate.net/publication/241155011\\_New\\_Practical\\_Approach\\_to\\_Input\\_Current\\_Shaping\\_in\\_AC-DC\\_Power\\_Converters](https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters)

## A new six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current

**Vosoughi Kurdkandi, Naser;** Marangalu, Milad Ghavipankeh; Mohammadsalehian, Shamim; Tarzamni, Hadi; Siwakoti, Yam P.; Islam, Md. Rabiul; Muttaqi, Kashem M. IEEE Access 2022 / p. 63736 - 63753: ill <https://doi.org/10.1109/ACCESS.2022.3182240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Mashinchi Maheri, Hamed;** Mohammadzadeh Shahir, Farzad; Babaei, Ebrahim 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), November 5-7, 2020 2020 / 6 p [http://www.conference.rtu.lv/qazcdeTGBmjURTUON2020\\_paper\\_101Gq73sO95Kb30.pdf](http://www.conference.rtu.lv/qazcdeTGBmjURTUON2020_paper_101Gq73sO95Kb30.pdf) <https://doi.org/10.1109/RTUCON51174.2020.9316470>

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**Asefi, Sajjad; Kilter, Jako; Landsberg, Mart** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227493>

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Janson, Kuno; Järvik, Jaan Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 264-285

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**Carvalho da Silva, Edivan Laercio; Blinov, Andrei; Chub, Andrii;** Rathore, Akshay Kumar; **Vinnikov, Dmitri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p  
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### **Review and outlook of isolated capacitive coupling based converters**

**Pourjafar, Saeed; Husev, Oleksandr;** Roncero-Clemente, Carlos 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p. <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604421>

### **Robust design optimization and emerging technologies for electrical machines: challenges and open problems**

Orosz, Tamas; **Rassõlkin, Anton; Kallaste, Ants;** Arsenio, Pedro; Panek, David; Kaska, Jan; Karban, Pavel Applied sciences 2020 / art. 6653, 33 p. : ill <https://doi.org/10.3390/app10196653> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Series-parallel resonant current-source DC-DC converter with wide output voltage range**

**Blinov, Andrei; Carvalho da Silva, Edivan Laercio; Verbytskyi, Ievgen; Vinnikov, Dmitri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604346>

### **Simulation and analysis of transformer winding inter-disk and inter-turn faults for online diagnosis**

Nurmanova, Venera; **Ahmadihangar, Roya;** Aliakhmet, Kamilla; Naderi, Mohammad Salay 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) 2019 / 5 p. : ill <https://doi.org/10.1109/EEEIC.2019.8783743>

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Minambres-Marcos, Victor; **Roasto, Indrek;** Romero-Cadaval, Enrique; Strzelecki, Ryszard; Barrero-Gonzalez, Fermin 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 528-533 : ill <http://dx.doi.org/10.1109/CPE.2015.7231131>

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**Chub, Andrii; Vinnikov, Dmitri** 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 582-586 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266381>

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**Vinnikov, Dmitri** The Brazilian journal of power electronics = Revista electronica de potencia 2008 / 2, p. 55-60  
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**Beldjajev, Viktor; Roasto, Indrek** Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / p. 55-61 : ill

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### **The application of partial discharge monitoring system for instrument transformers: special issues**

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