

Accuracy of voltage unbalance source assessment in three-phase three-wire electrical networks

Bolgov, Viktor; Kalyuzhnyi, Dmitry Proceedings of the 2020 Ural Smart Energy Conference (USEC) : 2020 USEC, Ekaterinburg, Russia 13-15 November 2020 / 4 p <https://doi.org/10.1109/USEC50097.2020.9281165>

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification

Sakkos, Tiiu; Sarv, Vello; Bolgov, Viktor 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Gora, Poland 2003 / p. 124-126 : ill

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification [Electronic resource]

Sakkos, Tiiu; Sarv, Vello; Bolgov, Viktor 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Gora, Poland 2003 / p. 187-190 : ill. [CD-ROM]

Analysis of off-grid power supply for sparsely populated areas

Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor; Kallaste, Ants 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 175-179 : ill

Application of saturable reactor to power supply of electric arc furnaces of different operating circuits and its impact on power quality indices

Bolgov, Viktor 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 187-193 : ill

Components selection of local power supply system for sparsely populated areas

Kallaste, Ants; Vaimann, Toomas; Janson, Kuno; Bolgov, Viktor 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 181-186 : ill

Current stabilization for improving electromagnetic compatibility of highly varying loads by use of saturable reactor [Electronic resource]

Bolgov, Viktor Proceedings of 5th International Conference 2007 : Compatibility in Power Electronics : 29 May - 1 June 2007, Gdynia, Poland 2007 / [7] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4296554>

Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 1 : hybrid components sizing

Bolgov, Viktor; Laanetu, Margus PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 179-186 : ill <https://doi.org/10.1109/PQ.2016.7724110>

Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 2 : determination of breakeven grid extension distances

Bolgov, Viktor; Janson, Kuno PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 187-192 : ill <https://doi.org/10.1109/PQ.2016.7724111>

Efficiency optimization of the high-power isolated DC/DC converters through THD and losses reduction in isolation transformers [Electronic resource]

Vinnikov, Dmitri; Bolgov, Viktor International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April, 2009 2009 / [7] p. : ill. [CD-ROM]
https://www.researchgate.net/publication/237808470_Efficiency_Optimization_of_the_High-Power_Isolated_DCDC_Converters_through_THD_and_Losses_Reduction_in_Isolation_Transformers

EMC education and related problems at Tallinn Technical University [Electronic resource]

Järvi, Jaan; Janson, Kuno; Bolgov, Viktor; Kroos, Peep Proceedings of 5th International Conference 2007 : Compatibility in Power Electronics : 29 May - 1 June 2007, Gdynia, Poland 2007 / [3] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4296547>

Energeetika - otsapidi üksnes taastuenergia küljes

Janson, Kuno; Kallaste, Ants; Bolgov, Viktor Horisont 2013 / lk. 30-36 : ill https://artiklid.elnet.ee/record=b2606466*est

Environmental considerations in lifecycle based optimization of electrical machines

Vaimann, Toomas; Kallaste, Ants; Bolgov, Viktor; Belahcen, Anouar Proceedings of the 2015 16th International Scientific Conference on Electric Power Engineering (EPE) : May 20-22, 2015, Czech Republic 2015 / p. 209-214 : ill
<http://dx.doi.org/10.1109/EPE.2015.7161057>

Evaluating responsibility for voltage unbalance emission in three-phase three-wire networks

Sayenko, Yuri; Kalyuzhnyi, Dmitri; Bolgov, Viktor; Baranenko, Tatiana 12th International Conference and Exhibition on Electrical Power Quality and Utilisation, Cracow, Poland, 14-15 September 2020 : conference proceedings 2020 / 6 p. : ill
<https://doi.org/10.1109/EPQU50182.2020.9220312>

Flicker mitigation by series-connected saturable reactor

Bolgov, Viktor; Järvik, Jaan Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2002 / p. 92-98 : ill

High power DC controlled reactor for AC power transmission lines

Järvik, Jaan; Bolgov, Viktor; Tellinen, Juhan EE 2001 : Elektroenergetika : zbornik prednášok z I. medzinárodného vedeckého sympožia : Vysoké Tatry - Stara Lesná, 22.-23. január 2001 2001 / p. 55-60 : ill

Improvement of short-circuit calculation results reliability for large electric power systems

Khalyasmaa, Alexandra I.; Eroshenko, Stanislav A.; Zinovyev, Kirill A.; **Bolgov, Viktor** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p <https://doi.org/10.1109/PQ.2019.8818262>

Interlock delay time and its influence on the operability and efficiency of high-power DC/DC converters

Vinnikov, Dmitri; Bolgov, Viktor Przegląd elektrotechniczny = Electrical review 2009 / 10, p. 222-227 : ill
https://www.researchgate.net/publication/291967052_Interlock_Delay_Time_and_its_Influence_on_the_Operability_and_Efficiency_of_High-Power_DCDC_Converters

Interlock delay time minimization and its impact on the high-voltage half-bridge DC/DC converter

Jalakas, Tanel; Vinnikov, Dmitri; Lehtla, Tõnu; Bolgov, Viktor 6th International Conference-Workshop Compatibility and Power Electronics : May 20-22, 2009 : CPE 2009 : conference proceedings 2009 / p. 438-443 [CD-ROM]

Interlock delay time minimization and its impact on the high-voltage half-bridge DC/DC converter [Electronic resource]

Jalakas, Tanel; Vinnikov, Dmitri; Lehtla, Tõnu; Bolgov, Viktor 2009 Compatibility and Power Electronics CPE 2009 : 6th International Conference-Workshop 2009 / p. 438-443 : ill. [CD-ROM]

Load current stabilisation and flicker mitigation by saturated series-connected reactor

Bolgov, Viktor; Järvik, Jaan The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 80-86 : ill

Load current stabilisation and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor

Bolgov, Viktor; Järvik, Jaan 5th International Scientific Conference : Electric Power Engineering 2003 : January 28-29, 2003, Beskydy Pension, Visalaje Czech Republic 2003 / p. 5-15 : ill

Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor

Bolgov, Viktor; Järvik, Jaan 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Góra, Poland 2003 / p. 26-28 : ill <https://catalog.cri.edu/Record/133a6f6c-0dfb-5715-88c3-1076990a08ad>

Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor

Bolgov, Viktor 2004 https://www.ester.ee/record=b1953746*est

Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor [Electronic resource]

Bolgov, Viktor; Järvik, Jaan 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Góra, Poland 2003 / p. 30-34 : ill. [CD-ROM] <https://catalog.cri.edu/Record/133a6f6c-0dfb-5715-88c3-1076990a08ad>

Maremathics - mathematics theory, simulations and exercises for maritime students

Gudelj, Anita; Stanivuk, Tatjana; Kovacevic, Goran; Laušić, Marina; Vidan, Pero; Veilande, Ingrida; **Saksa, Anna; Tammela, Julia; Zaitseva-Pärnaste, Inga; Bolgov, Viktor** 2024 <https://urn.nsk.hr/urn:nbn:hr:164:916808>

Mathematical model for assessment of voltage disturbing sources in networks with distributed power generation

Sayenko, Yuri; Kalyuzhnyi, Dmitri; **Bolgov, Viktor; Kütt, Lauri** Przegląd elektrotechniczny = Electrical review 2019 / p. 49-53 : ill
<https://doi.org/10.15199/48.2019.03.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mathematical model for real-time assessment of contributions of disturbing sources to power quality level at a point of common coupling

Sayenko, Yuri; Sukhonos, Maria; Kalyuzhnyi, Dmitri; **Bolgov, Viktor** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 29-35 : ill
<https://doi.org/10.1109/PQ.2016.7724085>

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

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, Poznań, Poland : abstracts 2008 / p. 8
https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters

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

New theoretical approach to input current shaping in ac-dc power converters [Electronic resource]

Janson, Kuno; Bolgov, Viktor; Vinnal, Toomas; Järvi, Jaan Proceedings of 5th International Conference 2007 : Compatibility in Power Electronics : 29 May - 1 June 2007, Gdynia, Poland 2007 / [8] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4296517>

New way to identify and assess voltage unbalance emission sources in three-phase three-wire electrical networks

Sayenko, Yuri; Kalyuzhnyi, Dmitry; Bolgov, Viktor Power quality in distribution networks with distributed generation : International Ukraine-Poland Seminar, Kiev, July 4-5, 2019 2019 / p. 65-72 : ill <https://doi.org/10.32073/iepl.2019.07>

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies

Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : 31st August to 3rd September 2008, Malta : conference guide 2008 / p. 37 <https://ieeexplore.ieee.org/document/4674795>

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies [Electronic resource]

Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : August 31 - September 3, 2008, Malta : [proceedings] 2008 / p. 77-80 : ill. [CD-ROM] <https://doi.org/10.1109/ICECS.2008.4674795> <https://ieeexplore.ieee.org/document/4674795>

Reactive power compensation for spot welding machine using thyristor switched capacitor

Kallaste, Ants; Kütt, Lauri; Bolgov, Viktor; Janson, Kuno 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 241-245 : ill

Series-connected saturable reactor for power supply of electric arc furnaces and its impact on power quality indices

Bolgov, Viktor Технічна електродинаміка 2005 / 1, p. 37-42 : ill

Suppression of voltage flicker by saturable reactor operating under forced magnetization [Electronic resource]

Bolgov, Viktor; Järvi, Jaan EUROCON 2007 : the International Conference on Computer as a Tool : September 9-12, 2007, Warsaw, Poland : proceedings 2007 / p. 1417-1422 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4400513>

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

Khalyasmaa, Alexandra I.; Stepanova, Alina; Eroshenko, Stanislav A.; Bolgov, Viktor; Chung, Tran Chung 2020 21-st International Symposium on Electrical Apparatus and Technologies (SIELA), 3-6 June 2020, Bourgas, Bulgaria : proceedings 2020 / 4 p <https://doi.org/10.1109/SIELA49118.2020.9167108>

The methodology of high-voltage instrument transformers technical state index assessment

Khalyasmaa, Alexandra I.; Vinter, Iakov; Eroshenko, Stanislav A.; Bolgov, Viktor 2020 21-st International Symposium on Electrical Apparatus and Technologies (SIELA), 3-6 June 2020, Bourgas, Bulgaria : proceedings 2020 / 4 p <https://doi.org/10.1109/SIELA49118.2020.9167110>

Wind power generation impact on Sörve peninsula network operation in Saaremaa

Bolgov, Viktor; Janson, Kuno; Šklovski, Jevgeni; Palu, Ivo; Laanetu, Margus PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 175-782 : ill <https://ieeexplore.ieee.org/document/6256223>

Üleminek põlevkivielektrilt tuule- ja päikeseelektrile - kuidas ja millal?

Janson, Kuno; Bolgov, Viktor Elektriala 2013 / lk. 21 ; 2, lk. 18-19 : ill

Идентификация и оценка влияния источников несимметрии напряжений в трехфазных трехпроводных электрических сетях

Sayenko, Yuri; Kalyuzhnyi, Dmitry; Bolgov, Viktor Технічна електродинаміка = Technical Electrodynamics 2019 / с. 65-73 : илл <https://doi.org/10.15407/techned2019.06.065> [Journal metrics at Scopus](#) [Article at Scopus](#)

Применение преобразователя с параметрическим чередованием параллельного и последовательного резонанса для питания дуговых сталеплавильных печей

Janson, Kuno; Järvi, Jaan; Bolgov, Viktor Электрика 2002 / с. 13-18 : ил

Применение резонансного преобразователя с параметрическим чередованием параллельного и последовательного резонанса (ЧППР) для питания дуговых сталеплавильных печей

Janson, Kuno; Järvi, Jaan; Bolgov, Viktor Энергосбережение. Электроснабжению Автоматизация : материалы

международной научно-технической конференции" : 22-23 ноября 2001 года, Гомель 2001 / с. 49-51 : ил

Резонансный преобразователь с параметрическим чередованием параллельного и последовательного резонанса и его переходные режимы

Janson, Kuno; Järvik, Jaan; Bolgov, Viktor 4th International Scientific Conference Efficiency and Power Quality of Electrical Supply of Industrial Enterprises : May 24-26, 2000, Mariupol, Ukraine : proceedings 2000 / с. 43-48 : ил