

# Smart Power ICs: Technologies And Applications

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Automation Technology: Methods and Applications of Control, Modellierung eines Smart High-Side Power ICs; at Automatisierungstechnik at

<http://www.degruyter.com/view/j/auto.2013.61.issue-12/auto-2013-1003/auto-2013-1003.xml>

## **A smart power transistor for high voltage inverter -**

One typical application of smart power high voltage integrated circuits is in inverter circuits. Impact of dielectric isolation technology on power ICs.

<http://www.sciencedirect.com/science/article/pii/S002626929390101J>

## **Smart Power ICS: Technologies and Applications -**

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<http://powerelectronics.com/community/top-30-companies>

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Smart Power ICs: Technologies and Applications by Bruno Murari, Franco Bertotti, Guiovanni A. Vignola, 9783540432388, available at Book Depository with free delivery

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[http://www.ecpe.org/ecpe-events/ecpe-workshops/current/details/?tx\\_ttnews%5Btt\\_news%5D=134&chash=803d0c8d0cc65e7a904884d2dc8fbc6](http://www.ecpe.org/ecpe-events/ecpe-workshops/current/details/?tx_ttnews%5Btt_news%5D=134&chash=803d0c8d0cc65e7a904884d2dc8fbc6)

### **Chip Design CMOS 180nm High-Voltage Technology -**

CMOS 180nm High-Voltage Technology Ideal for Smart Power ICs we are seeing an increasing demand in specialty processes for applications like power management."

<http://chipdesignmag.com/display.php?articleId=1232>

### **Smart Power ICs: Technologies and Applications -**

Customer Reviews for "Smart Power ICs: Technologies and Applications (Springer Series in Advanced Microelectronics) (Hardcover)" by Bruno Murari

<http://www.tower.com/smart-power-ics-technologies-applications-a-andreini-hardcover/wapi/107287687?download=true&type=1>

### **Integrated Smart Power Circuits Technology, Design -**

Integrated Smart Power Circuits Technology, Design and Application Full Text Sign shows some circuit design issues related to the problems of smart power ICs,

[http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5468583&sortType%3Dasc\\_p\\_Sequence%26filter%3DAND%28p\\_IS\\_Number%3A5468576%29%26rowsPerPage%3D100](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5468583&sortType%3Dasc_p_Sequence%26filter%3DAND%28p_IS_Number%3A5468576%29%26rowsPerPage%3D100)

### **Smart Power ICs - Technologies and Applications | -**

Smart Power ICs Technologies and Applications. Editors: Murari, Bruno, Bertotti, Franco, Vignola, Guiovanni A. (Eds.)

<http://www.springer.com/us/book/9783540432388>

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Figure 1 shows exemplarily the application range of the PROFET Smart Power technology allows to overcome these von Smart Power ICs zur

<http://www.acin.tuwien.ac.at/index.php?id=375&L=1>

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### **SMARTMOS Power Technology|Freescale -**

Freescale Semiconductor has been developing smart power technologies for nearly three decades. SMARTMOS technology is Freescale ICs using SMARTMOS technologies

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devices for operation at greater than 5 V enables Smart Power ICs used in technology for Smart Power and for Smart Power and sensor applications

<http://link.springer.com/article/10.1007%2Fs00502-008-0519-y>

### **SOI Smart Power IC Technology for Automotive ECUs -**

We started to fabricate 4um design rule SOI (Silicon On Insulator) smart power ICs since 1996 for automotive applications. Now we developed 0.8um design rule SOI

<http://papers.sae.org/2003-01-0203/>

### **Smart Grid Technology | Mouser Electronics -**

Smart Grid Technology demand spikes which can lead to power outages. A smart appliance can multiple measurements across various ICs

<http://www.mouser.com/applications/smart-grid-technology/>

### **Smart Grid Technology - Smart Meter | Mouser -**

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Farnell element14 - High-surge resistors qualified by a global manufacturer of smart power applications technology, having supplied customized ICs in

<http://www.electropages.com/2015/08/microsemi-device-family-smart-inductor-sensor-interface-ics/>

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### **An Overview of Smart Power Technologies for -**

"An Overview of Smart Power Technologies for Automotive Applications ICs to provide the interface function. Some recent drivers are "Smart Power

<http://papers.sae.org/871584/>

### **smart power ICs: technologies and applications -**

POWER/HVMOS Devices Compact Modeling by Wladyslaw Grabinski English | 2010 | ISBN: 904813045X | 300 Pages | PDF | 10 MB

<http://avxsearch.se/?q=smart%20power%20ICs:%20technologies%20and%20applications>

### **CiteSeerX Integrated Smart Power Circuits -**

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### **Smart Power Stage (SPS) - Fairchild Semiconductor -**

Product Technology; Smart Power Stage The smart power stage high power density and high switching frequency in applications such as synchronous buck DC

<https://www.fairchildsemi.com/product-technology/smart-power-stage/>

### **Smart Power ICs - Bokus.com -**

This survey of the state of the art of technology and future trends in the new family of Smart Power ICs describes design and applications in a variety of fields

<http://www.bokus.com/bok/9783540432388/smart-power-ics/>

### **Atmel Smart Energy Technology -**

Atmel Smart Energy Technology. of the smart energy market with application Atmel's family of ICs for smart power meters feature the widest

<http://www.atmel.com/products/smart-energy/default.aspx>

### **Smart Power ICs - Toc - beck-shop.de -**

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<http://www.st.com/web/en/press/t3645>

### **Atmel Smart Metering -**

Atmel's family of metering ICs for smart power meters in the smart grid industry feature the widest dynamic range in the Applications Technologies Key Parameters;

<http://www.atmel.com/products/smart-energy/power-metering/default.aspx>

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### **Silicon-on-insulator technology for -**

The motivation to develop high-temperature resistant smart-power products and the impact of silicon-on-insulator (SOI) technology application of smart- power ICs

<http://www.sciencedirect.com/science/article/pii/S092151079404015V>

### **Microsemi Announces Availability of First Device -**

a leading provider of semiconductor solutions differentiated by power, (ICs) based upon inductive sensing technology. smart sensor interface technology,

<http://www.barchart.com/headlines/story/9793247/microsemi-announces-availability-of-first-device-in-new-family-of-smart-inductor-sensor-interface-ics>

**BCD Technologies for VLSI Smart Power ICs - IEEE -**

highest quality technical literature in engineering and technology. BCD Technologies for VLSI Smart Power ICs describes a smart power bipolar

[http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5436008&filter%3DAND%28p\\_IS\\_Number%3A5435866%29](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5436008&filter%3DAND%28p_IS_Number%3A5435866%29)

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