



## Power Supplies Article Archive

This document is a list of articles about enclosed and open-frame power supplies published in the How2Power Today newsletter. Products listed here include

- Ac-dc power supplies
- Dc-dc converters
- Dc-ac inverters

Products listed here tend to offer higher current and power ratings. These units target commercial, industrial or mil-aerospace applications. Some board-mountable power converters are also included here in cases where the units may offer an alternative to traditional enclosed or open-frame power supplies.

Products are listed here using the following format:

### **Issue date:**

**Article title**, *Part number/product name*

[For more details...](#)(link to article)

For board-mounted power converters (which tend to offer lower power ratings than the products in this list) see the Board-Mounted Power Converter Article Archive.

### **January 2016:**

**1600-W Converters And Battery Chargers Endure Severe Environments**,  
*Schaefer's C/B 4500 series 6U dc-dc and ac-dc converter modules and battery chargers*

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### **February 2016:**

**Rectifier Performs Bidirectional AC-DC power Conversion In A Single Module**,  
*Eltek's Rectifier HE power conversion module*

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**Three-Phase, High-Input Voltage AC-DC Power Supplies Deliver Up To 500 W**,  
*ABSOPULSE Electronics' HTP 300-F3 and HTP 500F-FXW series power supplies*

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**Mounting Kit May Redefine Performance Of DIN-Rail Power Supplies**,  
*Excelsys Technologies' DIN-rail mounting accessory*

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### March 2016:

**250-W Power Supplies Suit Extreme Environments,** ABSOPULSE Electronics' PPF 250-P59X ac-dc power supplies

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### May 2016:

**AC To POL Development Kit Enables Fast Evaluation Of Complete Power Systems,** Vicor's AC to Point-of-Load Development Kit

[For more details...](#)

**Feature-Rich LED Power Supplies Save Space In Industrial Lighting,** LinkCom Manufacturing's INCORE high-performance constant-current LED power supplies

[For more details...](#)

### June 2016:

**High-Temperature DC-DC converters Specify 30-Year Operational Life,** ABSOPULSE Electronics' BHT-319R-F4 series of dc-dc converters

[For more details...](#)

### June 2015:

**High-Density Power Modules Reshape AC-DC Power Supplies,** Vicor's VIA PFM ac-dc front-end power modules

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**Bus Converter Steps Down 380 V to 48 V With High Power Density And Low Profile,** Vicor's VIA BCM bus converter module

[For more details...](#)

**IP66-rated Inverter Delivers 1000 VA Of Sine Wave Output,** Absopulse Electronics' CSI 1K-24/230-3XD3 microprocessor-controlled high-frequency PWM inverter

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### September 2015:

**3-kW Power Supply Is Ruggedized For Severe Industrial Environments,** Absopulse Electronics' HVI 3KP-V9 industrial power supply

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### October 2015:

**Encapsulated Railway DC-DC Converters Offer RIA12 Surge Withstand Capacity**, ABSOPULSE Electronics' RWR 155 series of dc-dc converters

[For more details...](#)

**1U 720-W Power Supplies Are Now Certified To UL And CE Safety Standards**, Acopian's 1U switching regulated 720-W ac-dc power supply family

[For more details...](#)

### November 2015:

**Medical-Grade 60-W AC-DC Adapter Offers Ultra-Thin Profile**, Energy Power's BM60 series of BladeAdapter ac-dc supplies

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**Liquid Cooled 20- to 25-kW Power Systems Target Heavy Industrial And Military Projects**, Schaefer's CPW-5700 series of ac-dc supplies and BPW-5700 series of battery chargers

[For more details...](#)

### January 2014:

**380-V Input Bus Converter Raises Efficiency And Power Density To Benefit HVDC Power Distribution**, Vicor's VI Chip bus converter module built in the ChiP platform

[For more details...](#)

**Wide-Input Range DC-DC Converter Extends Operating Life To 30 Years**, Absopulse Electronics' DHR 150-24 dc-dc converter

[For more details...](#)

### March 2014:

**3-Phase Sine-Wave Inverter Delivers 1 kVA in Rugged, Compact Package**, Absopulse Electronics' CTP 1K modular dc-ac inverters

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### June 2014:

#### **More DC-DC Converters For Railway Applications** includes

- *200-W Converter Is Watertight And Dust Proof, Absopulse Electronics' RWY 200-IP67 series of 200-W dc-dc converters*
- *Cassette Power Converters Are Certified For Fire Protection, Power-One's Melcher cassette power converters for railway applications*
- *500-W And 600-W Power Supplies Operate Over Ultra-Wide Temperature Range, Schaefer's TER family of low-profile, ac-dc power supplies*

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### October 2014:

#### **Autoranging Eases Use, Extends Range Of Benchtop Power Supplies,**

*Picotest's P961xA series of programmable, single-output dc power supplies*

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**300-VA Railway Inverters Are Watertight, Dust-Proof,** Absopulse Electronics' RSI 300-IP66 series of railway grade dc-ac sine wave inverters

[For more details...](#)

### November 2014:

#### **Narrow-Profile Switchers Deliver Up to 75 W In Tight Spaces,**

*Acopian's WN8B series of narrow-profile 75-W switchers*

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### March 2013:

#### **NiMH Battery Charger Is Rugged And Portable,**

*Absopulse Electronics' BCP 130-PEL NiMH battery charger*

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### May 2013:

**SiC-Based PV Inverters Display Reduced Size, Weight And Cost,** Delta Energy Systems' SOLIVIA 11 TR SiC-based PV inverter featuring Cree's 1200-V, 160-m $\Omega$  silicon carbide (SiC) MOSFETs

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### November 2013:

**1000-W Step-Up Converter Targets Automotive Power Trains**, Powerstax's Flexistax D1001 boost converter module

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### December 2013:

#### **DC-DC Converters For Railway Applications**

- *120-W Corona-Free Converter Features 20-kV Isolation*, Absopulse Electronics' DIO 120 series dc-dc converters
- *DC Power System Solution Targets Positive Train Control Applications*, Eltek's Micropack Modular Power System
- *100-W To 140-W Converters Generate Tightly Regulated Outputs*, Schaefer's PRC-120 series dc-dc converters
- *19-in. 150-W Plug-In Converter Steps Down 110-V Battery Supply To 24 V*, MTM Power's PCMDS19 150
- *200-W Converters Mount To Curved, Uneven And Non-Conductive Surfaces*, Absopulse Electronics' BAP 236RTH series dc-dc converters
- *300-W Converters Feature Wide Input Voltage Range And Network Rail Certification*, Relec Electronics' HR series dc-dc converters
- *Low-Voltage Power Supply And Battery Charger Delivers 12 kW*, Applied Power Systems' APS AP-6612 low-voltage power supply and battery charger (LVPS/BC)
- *Liquid-Cooled Converters Deliver 20 kW*, Schaefer's CW/BW 5600 series dc-dc converters

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### June 2012:

**Motion-To-Grid Energy Converters Deliver Turnkey Solutions For Small Wind Turbines**, Siemens Industry's SINAMICS Motion-to-Grid Energy Converters

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### September 2012:

**DC-DC Converters Mount To Curved, Uneven Or Thermally Insulating Surfaces**, Absopulse Electronics' BAP 236TH convection-cooled 250-W dc-dc converters

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### November 2012:

**DC-DC Converter Boasts 10:1 Input Range, Power-One's MELCHER brand HR-Series 300-W dc-dc converter**

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### December 2012:

**AC-DC Front End Sparks New Trends In Density, Efficiency And Flexibility, Vicor's VI BRICK AC Front End module**

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### June 2011:

#### **How2Power Today's Spotlight on Industrial Power Supplies**

- CUI's VDRS series 10-W to 100-W DIN rail power supplies
- Puls' ML60 60-W MiniLine power supplies
- TDK-Lambda's CPF500F series of 500-W baseplate-cooled power supplies
- Absopulse Electronics' HBC500 series 500-W ac-dc power supply series
- XP Power's SHP1000 and MHP1000 650-W to 1200-W fan-cooled ac-dc power supplies
- Absopulse Electronics' PFC 619F-EH 1500-W ac-dc plug-in power supply
- TDK-Lambda LZSA1500-4 1500-W 48-V power supply
- Power One i-PWER low-profile modular (LMP) 1500-W ac-dc power supply family

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**Solar Microinverter Increases Performance, Adds 25-Year Warranty, Enphase Energy's 215-series microinverter**

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**Power Supplies Feature Wide Adjustment Capability And Many Options, Acopian's Infinity line of power supplies**

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### July 2011:

#### **Power Product Roundup: Test Equipment For Power Design includes**

- AC Programmable Power Sources Add Transient Generator, QuadTech's 31000A and 33000 series ac programmable power sources

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- *Modules Support Battery Test And Mobile Device Manufacturing, Agilent Technologies's N6783A-MFG mobile communications dc power module and N6783A-BAT battery charge/discharge module*
- *Power Supplies Deliver High Power, High Current At Low Cost, B&K Precision's 1693, 1694, 1900, 1901, and 1902dc power supplies*
- *DC Power Supplies Ease Solar Panel Simulation And Other Tests, Chroma Systems Solutions' 62000H series of programmable dc power supplies*  
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### November 2011:

**DC Power System Brings Higher Efficiency, Lighter Weight, and Greater Reliability To Industrial Applications,** Eltek Valere's Industrial Building Block (IBB) high-efficiency (HE) dc power systems  
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### April 2010:

**Configurable AC-DC Power Supplies Now Meet Military Requirements,** A division of Vicor, Westcor's configurable power supplies including the PFC Mini MI and PFC Micro/MicroS MI PFC ac-dc switchers, the PFC MegaPAC MI PFC ac-dc switcher; and the FlatPAC-EN MI, an EN-compliant autoranging switcher  
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### May 2010:

**Programmable AC Power Sources Deliver Unique Test Capabilities,** QuadTech's 31000A and 33000 series programmable ac power sources  
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### July 2010:

**DC-DC Converter Delivers 1 kW In Extreme Environments,** Absopulse Electronics' PDC 765 series encapsulated dc-dc converters  
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### August 2010:

**Industrial and COTS Power Supply Delivers 1500 W Under Extreme Conditions,** TDK-Lambda's LZSA1500-4 1500-W, 48-V industrial power supply  
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### October 2010:

**Baseplate-Cooled 500-W Power Supplies Are Quiet, Rugged, and Cost Effective**, TDK-Lambda's CPFE500F series ac-dc power supplies

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### November 2010:

**Novel Input Technology Pushes AC-DC Converter To High Performance**, Vicor's PFM VI BRICK power-factor-corrected ac-dc converter module, PF175B480C033FP-00

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### October 2009:

**Topology Takes Charge Pump To Kilowatt Levels**, Electronic Design & Research's 4-kW dc-dc converter

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