

## DC-DC selection tool assists engineers

The screenshot shows the 'VICOR PowerBench' interface. It features a blue header with the logo. Below the header, the text 'Enter your requirements' is displayed in bold, with a red asterisk and the text '\* Required Fields' to its right. The form is divided into several sections: 1. 'Input' section with three input fields labeled 'Min', 'Nom', and 'Max', each followed by a 'V' and an asterisk. 2. 'Output' section with three input fields labeled 'Min Trim', 'Nom', and 'Max Trim', each followed by a 'V'. Below these fields are two radio buttons: 'Regulated' (which is selected) and 'Fixed Ratio'. 3. 'Output Power/Current' section with a single input field followed by 'W' and an asterisk, and two radio buttons: 'Watts' (selected) and 'Amps'. 4. 'Isolation Required' section with a single checkbox. At the bottom of the form, there are three buttons: a blue button with a question mark and the text '? Help', a blue button with the text 'SEARCH' and a right-pointing arrow, and a blue button with the text 'RESET' and a right-pointing arrow.

Vicor has developed a wide range of tools to make it easy to search for the right product from the over 100,000,000+ possible product permutations that they have available. The most recent, their DC-DC selection tool, has been developed with a twist in that it also incorporates a simulator for a growing list of DC-DC converters. This means an engineer can interactively model the electrical and thermal performance in application-specific operating conditions and thermal environments.

This tool allows a user to quickly find the most appropriate DC-DC converter from Vicor's range of products. All you need to do is enter your required power-related parameters. The system then calculates the various ways for you to achieve those parameters, allowing you to order the suggested solutions by the criteria most important to you, whether that be efficiency, PCB area taken, no load power dissipation, mounting style, or the myriad of other filters provided.

The range of products that the selector searches against has just been expanded, with the addition of Vicor's range of [Brick power modules](#) [1] and the newly-launched [Picor Cool-Power ZVS Buck Regulators](#) [2].

Try it out: [DC-DC Solution Selector](#) [3]

To make it easier to use and find they've created a widget, which has been added to their newly redesigned [home page](#) [4]. Alternatively you can bookmark the [DC-](#)

## DC-DC selection tool assists engineers

Published on Electronic Component News (<http://www.ecnmag.com>)

---

[DC Solution Selector](#) [3], or add the widget to your own site.

To place the widget on your website just incorporate the following code:

```
<iframe src="http://sapps.vicorpower.com/SolutionSelector/web/extlinit.do?bgColor=f9f9f9&appTitle=DC-DC Solution Selector" frameborder="0" marginwidth="0" marginheight="0" scrolling="no" width="211" height="350">
```

This widget will pop up a new window with the results of your search. You may change frame border, margin width, margin height and width / height to fit your web page needs.

### Source URL (retrieved on 04/25/2015 - 2:45am):

[http://www.ecnmag.com/product-releases/2012/07/dc-dc-selection-tool-assists-engineers?qt-most\\_popular=0&qt-recent\\_content=0](http://www.ecnmag.com/product-releases/2012/07/dc-dc-selection-tool-assists-engineers?qt-most_popular=0&qt-recent_content=0)

### Links:

[1] <http://www.vicorpower.com/cms/home/products/brick/mini-maxi-micro-converters>

[2] [http://www.vicorpower.com/cms/home/products/picor/ZVSBuckRegulator?productCategory\\_filter=Regulators%20%28Buck%29](http://www.vicorpower.com/cms/home/products/picor/ZVSBuckRegulator?productCategory_filter=Regulators%20%28Buck%29)

[3] <http://sapps.vicorpower.com/SolutionSelector/web/init.do>

[4] <http://www.vicorpower.com/>