



NEW PRODUCT NOTIFICATION

15 January 2019

Flex Power Designer adds thermal simulation to cut time to market

- Only design tool of its kind to include thermal modelling
- Enables detailed simulation of thermal behaviors
- Thermal simulation helps reduce time to market, and minimizes the risk of design weaknesses

Flex Power Modules has introduced a major upgrade of its Flex Power Designer software for digital power system design, adding thermal simulation capabilities. The new features will enable designers to reduce development time, helping cut time to market, and to minimize the risk of weaknesses in their power system design.

The new thermal model in the latest release, Flex Power Designer 3.0, enables designers to simulate thermal behaviors in their power system designs. For example, this makes it possible to calculate hot spot temperature and overall system efficiency.

Designers can specify board properties including ambient temperature, copper thickness and wind speed. To help make design as straightforward as possible, Flex Power Designer provides graphs which can show the dependencies between multiple quantities, for example to show how temperature varies as a function of output current, output voltage and wind speed.

Olle Hellgren, Director Product Management and Business Development at Flex Power Modules, said: "Since it was originally launched six years ago, Flex Power Designer has helped our customers to take full advantage of digital power technology. With this new version, Flex Power Designer is now the only design tool of its kind to include a thermal model feature – further helping designers create efficient, robust power system designs."

Flex Power Designer is a design tool that gives designers and system architects an overview of the system configuration and efficiency of their entire power system, and goes beyond just



NEW PRODUCT NOTIFICATION

15 January 2019

converter configuration. The software enables relationship to be defined across rails, including phase spreading, sequencing and fault spreading – helping understand system behavior, and reducing development time.

The software platform includes built-in simulation, which enables power-stage analysis to optimize tuning, and to visualize design behavior and how a system performs in relation to design requirements including transient response, output impedance, and power dissipation.

Flex Power Designer features include configuration and simulation of the control loop, and straightforward configuration and monitoring of digital power modules. It includes an SMBus tool, as well as sample code bundled for full SMBus control and production programming.

Flex Power Designer is available to download, free of charge, from

<https://flexdigitalpowerdesigner.com>.

About Flex Power Modules

Flex Power Modules, a division of Flex (NASDAQ: FLEX), designs and manufactures scalable power supply solutions that improve the operational efficiencies of advanced data center, IT information and communications networks. Flex Power Modules' products provide a complete on-board system solution for cloud, storage and server applications and address customer challenges while delivering superior quality, cost and performance at scale.

About Flex

Flex is the Sketch-to-Scale® solutions provider that designs and builds Intelligent Products for a Connected World™. With approximately 200,000 professionals across 30 countries, Flex provides innovative design, engineering, manufacturing, real-time supply chain insight and logistics services to companies of all sizes in various industries and end-markets. For more information, visit flex.com or follow us on Twitter @Flexintl. Flex – Live Smarter™

Contact for editorial information:

Nayl D'Souza, Account Director, Publitek Email: nayl.dsouza@publitek.com

Contact for company information:

Tuuli Waern, Technical Marketing Manager, Flex Power Modules Email: tuuli.waern@flex.com