



NEW PRODUCT NOTIFICATION
7 November 2019

Flex Power Modules introduces high power density 15A/50W output digital PoL regulator

- 25% higher current and power output meets customer requirements for high power density, and saves PCB space
- Digital PMBus interface enables customers to monitor, configure and control the regulator
- Supported by the comprehensive Flex Power Designer design tool
- High efficiency of typically 96% at 12Vin, 3.3Vout and 80% load

Flex Power Modules announces the BMR4615001/001, a new variant of its popular BMR461 series of digital point-of-load (PoL) regulators. The new module provides up to 15A/50W at an adjustable output voltage of 0.6-3.3V, which equates to a 25% higher current and power delivery at 3.3V than the previous 12A maximum for that voltage. The input voltage range of the device is 4.5V to 14V.

The higher output is in response to customer demands, offering increased current and power in the compact 12.2 x 12.2 x 8.0mm (0.48 x 0.48 x 0.315in) package of the BMR461 series, and hence saving PCB space due to higher power density. It is ideal for a range of applications, including wireless and fixed telecoms infrastructure, datacoms uses such as network routers and data centers, and industrial applications including Industry 4.0 and process automation.

The new regulator is part of a family of scalable digital PoL solutions from Flex Power Modules. Each device includes a digital PMBus interface to provide advanced monitoring, configuration and control capabilities, and is fully supported by the Flex Power Designer design tool.



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Olle Hellgren, Director of Product Management and Business Development at Flex Power Modules, said: “Our customers are telling us they have increased current requirements, including for the I/O and core voltages for FPGAs, ASICs and processors, and they are also looking for higher power density. The new regulator meets these demands, and builds on the success of our familiar, reliable BMR461 series.”

The regulator is designed in accordance with the safety standards IEC/EN/UL 62368-1. Reliability is high, with an MTBF of 24 million hours.

The BMR4615001/001 is available in OEM quantities in November.

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 also offers a wide product range for the Industrial/Transportation sector. Flex Power Modules’ products provide a complete onboard 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:



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