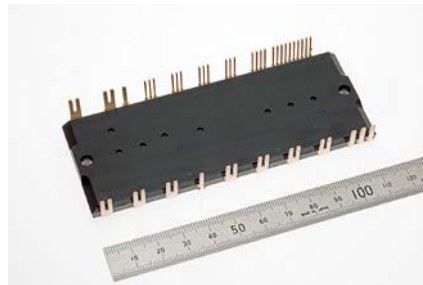


PRESS RELEASE

Mitsubishi Electric to Launch Large DIIPM+™ Series

Simpler and more compact designs for inverter systems in air conditioners and industrial applications

TOKYO, May 7, 2019 – Mitsubishi Electric Corporation (TOKYO: 6503) announces the launch of three new Large DIIPM+™ transfer-mold intelligent power modules featuring an input stage rectifier that realizes simpler and more compact designs for use in air-conditioner and in industrial inverters. Mitsubishi Electric has developed the world's first* high-density output 100A/1200V module in its transfer-mold package.



New Large DIIPM+™

Sales of the new Large DIIPM+™ series will begin on May 29. Also, the modules will be exhibited at major trade shows, including Power Conversion Intelligent Motion (PCIM) Europe 2019 in Nuremberg, Germany from May 7 to 9 and PCIM-Asia 2019 in Shanghai, China from June 26 to 28.

Mitsubishi Electric has been contributing to the miniaturization and energy efficiency of inverter systems since commercializing its first DIIPM+™ series in 1997. The compact and innovative DIIPM+™ series consisting of an integrated inverter, three phase converter and gate-driver components along with protection functions was introduced in 2015. In response to increasing demands for medium power industrial applications, Mitsubishi Electric is now adding a new line up in the DIIPM+™ family.

This product category is called the Large DIIPM+™ and includes three different current ranges: 50A, 75A and 100A (1200V) in accordance with platform inverter design requirements.

The integrated protection features and driver functionalities are aimed at optimizing the engineering efforts required for the inverter design. The protection features include a short-circuit protection

system (via current sense), a control power supply under-voltage (UV) protection and an analog over-temperature protection system.

In addition, the Large DIIPM+™ is compliant with the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) directive 2011/65/EU and (EU) 2015/863.

* According to Mitsubishi Electric research as of May 7, 2019

About Mitsubishi Electric

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion*) in the fiscal year ended March 31, 2018.

*At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018

Further information:

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