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FOR IMMEDIATE RELEASE

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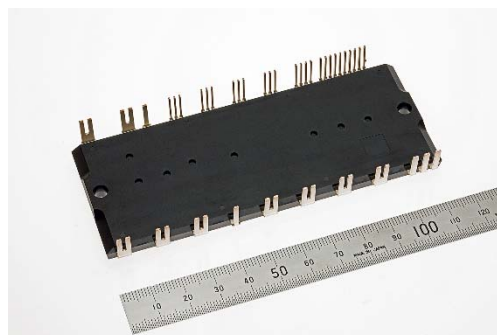
Mitsubishi Electric to Launch Large DIIPM+ Series

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

TOKYO, May 7, 2019– [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today the launch of three new Large DIIPM+™ transfer-mold intelligent power modules featuring loading-converter circuits that realize simpler and more compact designs for use in air-conditioner and industrial inverters. Of special note, one of the new modules achieves a world's first* high-density output of 100A/1200V in its transfer-mold package. Sales of the new 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.

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

Mitsubishi Electric has been contributing to the miniaturization and energy-efficiency of inverter systems since commercializing its first DIIPM™ series in 1997. The more compact and simpler-design DIIPM+ series, which places the inverter and converter into one package, was introduced in 2015. In response to increasing demands for high-power compressors in package air conditioners, the company is now adding models of up to 100A/1200V for package (heat & cooling) air conditioners in the 56kW class.



New Large DIIPM+ series

Sales Schedule

Product	Model	Specification	Release date
Large DIIPM+ series	PSS50NE1CT	50A / 1200V	May 29, 2019
	PSS75NE1CT	75A / 1200V	
	PSS100NE1CT	100A / 1200V	

Product Features

1) *World's leading high-density output in transfer-mold package*

- PSS100NE1CT achieves a world's first high-density output of 100A/1200V in its transfer-mold package, suitable for 56kW class package air conditioners.
- 100A/1200V model's small package and large capacity realized through Mitsubishi Electric's proprietary direct-wire-bonding technology
- Built-in analog temperature voltage output and protection functions

2) *Downsizing and simpler design for inverter systems*

- Built-in inverter, converter and drive circuits enable inverter systems with fewer external components
- Simpler wiring pattern on board helps to downsize inverter systems

Specifications

Model	PSS50NE1CT	PSS75NE1CT	PSS100NE1CT
Specification	50A / 1200V	75A / 1200V	100A / 1200V
Dimensions	43.0 × 114.5 × 7 mm		
Build-in chips	Three-phase inverter bridge with built-in IGBT, FWD, HVIC and LVIC Three-phase converter circuit		
Functions	Short-circuit protection (by electrical current sense) Control power supply under-voltage (UV) protection Fo output on N-side protection Analog temperature voltage output (VOT)		

Environmental Awareness

This product 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.

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About Mitsubishi Electric Corporation

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 a revenue of 4,519.9 billion yen (US\$ 40.7 billion*) in the fiscal year ended March 31, 2019. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 111 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2019