MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow

MITSUBISHI ELECTRIC CORPORATION
PUBLIC RELATIONS DIVISION
7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

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Customer Inquiries

Power Device Overseas Marketing Dept. A and Dept. B
Mitsubishi Electric Corporation

http://www.MitsubishiElectric.com/semiconductors/

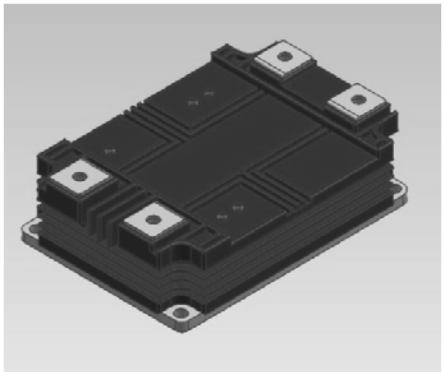
Media Inquiries

Public Relations Division
Mitsubishi Electric Corporation
prd.gnews@nk.MitsubishiElectric.co.jp
http://www.MitsubishiElectric.com/news/

Mitsubishi Electric to Develop High-power Semiconductor Modules Featuring Standardized Package for Industrial Applications

New high-power module to offer optimal design for energy savings and high efficiency

TOKYO, Japan, December 11, 2014 – Mitsubishi Electric Corporation (TOKYO: 6503) announced today it will begin work on the development of standardized-package high-power semiconductor modules for use in heavy industry, including traction and electric-power applications, aiming to offer an optimal design for energy savings and high efficiency in high-power electronics systems.



Tentative package profile

Design Concept of High-Power Module with New Package

- Common package design for modules of up to 6.5kV rating
- Simple, easy parallel connection realizes various current ratings
- Package compatibility with products of Infineon Technologies AG (Germany)

Product Lineup (plan)

Rating voltage	Rating current	Connection	Profile
3.3kV	450A	Dual	100mm × 140mm × 40mm
4.5kV	400A		
6.5kV	275A		

The first products to incorporate the new design platform will be for the high-voltage classes 3.3kV (450A), 4.5kV (400A) and 6.5kV (275 A). The standardized package will measure 100mm x 140mm x 40mm.

High-power modules are key devices used in power systems of between several kW and several MW. High-current modules with maximum ratings of 6.5 kV exist already. The industrial power market requires diverse modules suited to various current and voltage ratings according to each system's power-conversion capacity. Products with compatible package dimensions from multiple manufacturing sources are also in demand.

Mitsubishi Electric intends to satisfy these market demands with its new high-power modules. Further details will be introduced in power electronics-related exhibitions, such as TECHNO-FRONTIER in Japan and Power Conversion Intelligent Motion Europe in Germany, both of which will be held in May 2015.

Environmental Awareness

This product is compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

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About Mitsubishi Electric Corporation

With over 90 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 4,054.3 billion yen (US$ 39.3 billion*) in the fiscal year ended March 31, 2014. For more information visit http://www.MitsubishiElectric.com

*At an exchange rate of 103 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2014