

**BJT, High Power Switching Transistor, IC 500A****Manufacturer:** [Mitsubishi Electronics](#)**Package/Case:** MODULE**Product Type:** MODULE**Lifecycle:** Unconfirmed

Images are for reference only

[Inquiry](#)**General Description**

The QM500HA-H is a high-power IGBT module designed for applications that require high voltage and current handling capabilities. It combines the advantages of IGBT technology, such as fast switching speed and high power density, with the robustness and reliability needed for demanding applications.

**Key Features**

**High Voltage and Current Rating:** The QM500HA-H module is capable of handling high voltage and current levels, making it suitable for power conversion applications that require high power output.

**Low Losses:** It features low conduction and switching losses, resulting in improved efficiency and reduced power dissipation.

**Integrated Protection Features:** The module includes various built-in protection features, such as short-circuit protection, temperature sensing, and under-voltage lockout, to ensure safe and reliable operation.

**Isolation:** The IGBT module incorporates electrical isolation between the control circuitry and power devices, enhancing safety and reducing the risk of damage due to voltage transients.

**Application**

**Motor Drives:** It can be utilized in motor control systems for electric vehicles, industrial machinery, and robotics, providing efficient and reliable power switching.

**Renewable Energy Systems:** The module is suitable for inverters used in solar power generation, wind turbines, and other renewable energy systems, enabling efficient power conversion.

**Uninterruptible Power Supplies (UPS):** It can be employed in UPS systems to ensure reliable backup power and smooth transition between the utility and battery power sources.

**Power Distribution:** The module can be utilized in high-power distribution systems, such as power substations and grid infrastructure, for efficient power transmission and distribution.



## Recommended For You

---

### **QM200DY-HB**

Mitsubishi Electronics

MODULE

### **QM30HA-H**

Mitsubishi Electronics

MODULE

### **QM30HA-HB**

Mitsubishi Electronics

MODULE

### **QM100HY-H**

Mitsubishi Electronics

MODULE

### **QM400HA-H**

Mitsubishi Electronics

MODULE

### **QM150HY-H**

Mitsubishi Electronics

MODULE

### **QM200HA-2H**

Mitsubishi Electronics

MODULE

### **QM150DY-24K**

Mitsubishi Electronics

MODULE

### **QM300HA-2H**

Mitsubishi Electronics

MODULE

### **QM15HA-H**

Mitsubishi Electronics

MODULE

### **QM100HY-2H**

Mitsubishi Electronics

MODULE

### **QM200HA-HK**

Mitsubishi Electronics

MODULE

### **QM300HA-2HB**

Mitsubishi Electronics

MODULE

### **QM75DY-2HB**

Mitsubishi Electronics

MODULE

### **QM100CY-H**

Mitsubishi Electronics

MODULE