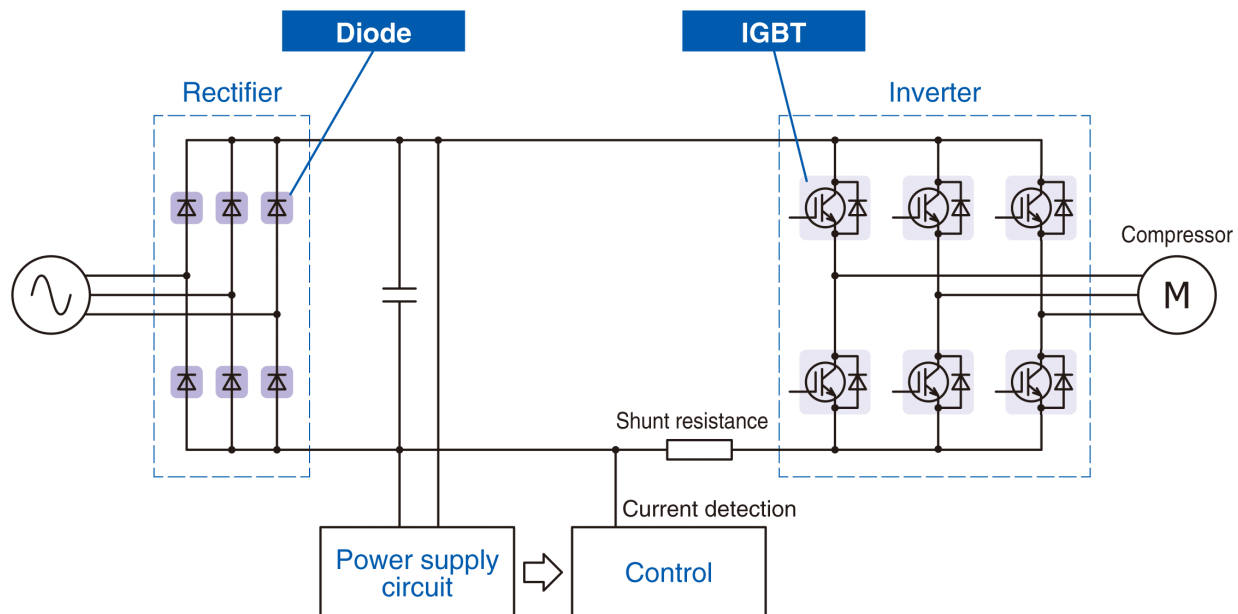


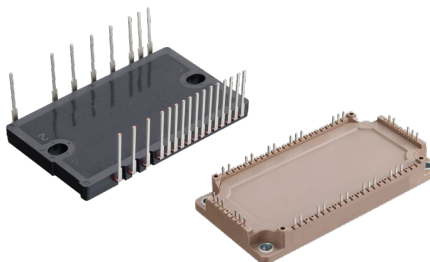
Reach the PINNACLE of Performance and Reliability

Air Conditioners

Air conditioning (HVAC) systems are systems for controlling heating and cooling in residential, commercial, and industrial buildings. Typical HVAC systems consist of an indoor unit—blower—and an outdoor unit—condenser. The blower is equipped with a PWM inverter-controlled fan unit to control airflow; the condenser is equipped with a PWM-controlled high-speed compressor system. Both systems are optimally controlled by a PWM inverter using power semiconductor devices available from Fuji Electric; see the list below for FE power semiconductors ideal for all ranges of HVAC systems.

IGBT Modules for Air Conditioner Outdoor Units





Air Conditioners

IGBT Modules for Medium-Voltage Inverters

Cooling Rating Capacity	Device Rating	V Series		X Series	
HP		IPM	IGBT Modules	IPM	IGBT Modules
1	600V/10A or 650V/10A	-	7MBR10VKC060-50 7MBR10VKA060-50	-	7MBR10XKC065-50 7MBR10XKA065-50
2.5	600V/15A or 650V/15A	6MBP15VSG060-50	7MBR15VKC060-50 7MBR15VKA060-50	6MBP15XSD060-50 6MBP15XSF060-50	7MBR15XKC065-50 7MBR15XKA065-50
5	600V/20A or 650V/20A	6MBP20VAA060-50	7MBR20VKC060-50 7MBR20VKA060-50	6MBP20XSD060-50 6MBP20XSF060-50	7MBR20XKC065-50 7MBR20XKA065-50
7.5	600V/30A or 650V/30A	6MBP30VAA060-50	7MBR30VKC060-50 7MBR30VKA060-50	6MBP30XSD060-50 6MBP30XSF060-50 6MBP35XSD060-50 6MBP35XSF060-50	7MBR30XKC065-50 7MBR30XKA065-50
15	600V/50A or 650V/50A	6MBP50VAA060-50 6MBP50VBA060-50 6MBP50VFN060-50 7MBP50VFN060-50 6MBP50VDA060-50 7MBP50VDA060-50	7MBR50VKD060-50 7MBR50VKB060-50 7MBR50VA060-50 7MBR50VP060-50 7MBR50VY060-50 6MBI50VA-060-50 6MBI50VW-060-50	6MBP50XTA065-50 6MBP50XTC065-50	7MBR50XKD065-50 7MBR50XKB065-50 7MBR50XPA065-50 7MBR50XMA065-50 7MBR50XWA065-50 7MBR50XYA065-50
20	600V/75A or 650V/75A	6MBP75VBA060-50 6MBP75VFN060-50 7MBP75VFN060-50 6MBP75VDA060-50 7MBP75VDA060-50	7MBR75VB060-50 7MBR75VP060-50 7MBR75VY060-50 6MBI75VA-060-50 6MBI75VW-060-50	6MBP75XTA065-50 6MBP75XTC065-50	7MBR75XMA065-50 7MBR75XNA065-50 7MBR75XPA065-50 7MBR75XWA065-50 7MBR75XXA065-50 7MBR75XYA065-50
30	600V/100A or 650V/100A	6MBP100VFN060-50 7MBP100VFN060-50 6MBP100VDA060-50 7MBP100VDA060-50 6MBP100VDN060-50 7MBP100VDN060-50	7MBR100VP060-50 7MBR100VB060-50 7MBR100VR060-50 7MBR100VZ060-50 6MBI100VA-060-50 6MBI100VW-060-50	-	7MBR100XNA065-50 7MBR100XPE065-50 7MBR100XRA065-50 7MBR100XXA065-50 7MBR100XYE065-50 7MBR100XZA065-50
40	600V/150A or 650V/150A	6MBP150VDA060-50 7MBP150VDA060-50 6MBP150VDN060-50 7MBP150VDN060-50	7MBR150VR060-50 7MBR150VZ060-50 6MBI150VB-060-50 6MBI150VX-060-50	-	7MBR150XNA065-50 7MBR150XRA065-50 7MBR150XRE065-50 7MBR150XXA065-50 7MBR150XZA065-50
60	600V/200A	6MBP200VDA060-50 7MBP200VDA060-50 6MBP200VDN060-50 7MBP200VDN060-50 6MBP200VEA060-50 7MBP200VEA060-50	-	-	-