

## Main Specifications

Product name	New product <a href="#">TB67B000AHG</a>	Under development TB67B000AFG	Current product <a href="#">TB67B000HG</a>	Current product <a href="#">TB67B000FG</a>
Power supply voltage (absolute maximum ratings)	For motor operation: 600V		For motor operation: 500V	
	For controller: 18V			
Package	HDIP30 (Mounting area: 32.8 × 13.5mm)	HSSOP34 (Mounting area: 17.5 × 11.93mm)	HDIP30 (Mounting area: 32.8 × 13.5mm)	HSSOP34 (Mounting area: 17.5 × 11.93mm)
Power supply voltage (operation range)	For motor operation: 50 to 450V			
	For controller: 13.5 to 16.5V			
Output current (operation range)	2A			
Driving method	Sine-wave PWM drive/Trapezoidal commutation			
PWM frequency	14kHz to 23kHz			
Lead angle control	Sine-wave PWM drive: 0 to 58°/32 steps Trapezoidal commutation: 0 to 28°/16 steps			
Input voltage for rotational speed command	Motor operation: 2.1V to 5.4V			
Features	<ul style="list-style-type: none"> <li>Built-in IGBT three-phase bridge</li> <li>Built-in oscillation circuit (resistor connected externally.)</li> <li>Built-in bootstrap diode</li> <li>Built-in error detection functions: current limiter, thermal shutdown, under voltage lock out, and motor lock detection</li> </ul>			
	<ul style="list-style-type: none"> <li>Built-in regulator circuit (5V/35mA , 5V/30mA)</li> </ul>		<ul style="list-style-type: none"> <li>Built-in regulator circuit (5V/35mA , 7V/30mA)</li> </ul>	
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