

# IBT-2

## HIGH CURRENT 30A DC MOTOR DRIVER



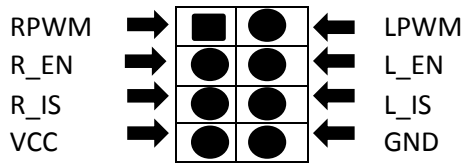
This driver uses two high current half bridge Infineon BTS 7960 chip for motor drive applications. Interfacing to a microcontroller is made easy using this driver which features current sensing, slew rate adjustment and protection against over temperature, overvoltage, undervoltage, Over current and short circuit.

This small size driver provides a cost optimized solution for protected high current PWM motor drives.

### Feature

- Operating Voltage 5 to 27V (B+)
- Control motor speed by PWM up to 25 kHz.
- Motor forward and backward motion control
- Switched mode current limitation for reduced power dissipation.
- Current limitation level of 30 A Current sense capability
- Over-temperature shut down Over-voltage lock out.
- Large size heat sink is mounted to driver.
- Size: 4\*5\*1.2 cm.
- Weight: 66 gm.

## Conexiones:



1	RPWM	Forward level or PWM signal input, active HIGH
2	LPWM	Reverse level or PWM signal input, active HIGH
3	R_EN	Forward drive enable input, HIGH enable, LOW Close
4	L_EN	Reverse drive enable input, HIGH enable, LOW Close
5	R_IS	Forward drive – side current alarm output
6	L_IS	Reverse drive – side current alarm output
7	VCC	5V power input to control board
8	GND	Ground.

B+, B-: Motor power Input.  
M+, M-: Motor power Output.