

# MONOCLONIUS

## BL2845-47

### OPERATING INSTRUCTIONS

Brushless Motor

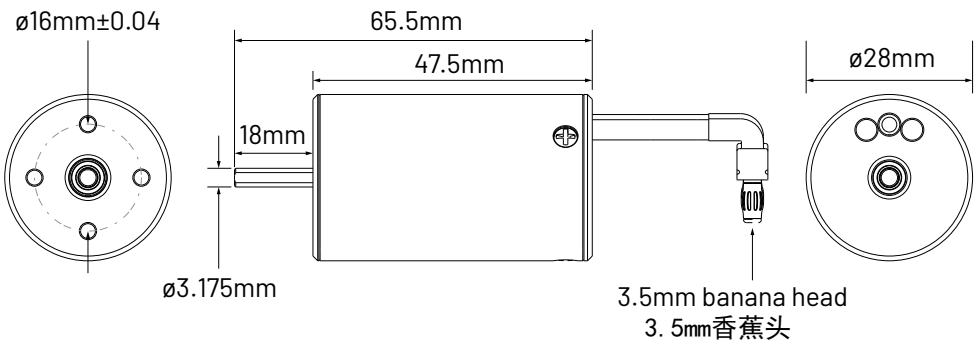
无刷电机操作指引

V1.0

#### SAFETY PRECAUTIONS 安全注意事项

- (1) Please make sure it is installed correctly and securely before use everytime.
  - (2) Do not get close to the rotating motor to avoid cutting.
  - (3) The motor itself is magnetic and has an open structure, which requires effective control to prevent foreign objects from being adsorbed and causing the motor to stall.
  - (4) Use within the normal operating range of the motor and do not overload it.
  - (5) Due to various conditions such as voltage, lifespan, and usage environment, this product may experience short circuits, fires, and smoke. So, please take appropriate protective measures during use.
  - (6) When installing the motor (selecting screws of appropriate length to prevent them from being too long and hitting the coil) and wiring operations, please be careful not to damage the coil, wire, or edge of the motor. If not, it may cause electric shock, burning, and fire.
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- (1) 每次使用前请检查是否安装正确和紧固。
  - (2) 请勿贴近旋转的电机，以免割伤。
  - (3) 电机本身带有磁性，且为开放式结构，需有效控制，防止异物吸附进去，造成电机卡转。
  - (4) 在电机的正常使用范畴内使用，切勿超载使用。
  - (5) 由于使用电压和寿命、使用环境等种种条件的影响，有可能发生导致本产品短路、起火、冒烟的情况。所以，在使用过程中，请采取适当的保护对策。
  - (6) 在电机的安装(选择合适长度的螺丝，防止选用螺丝过长顶到线圈)、配线作业时，请注意不要伤电机的线圈、导线、边缘。如若不然，则有可能引起触电、烧毁和起火。

Appearance diagram 外观示意图 (±0.1-0.5mm)



Rated voltage (V)	7.4V DC
No load current (A/7.4V)	≤4.5A
No-load speed (rpm/7.4V)	34780±5%
Internal resistance of motor (mΩ) (environment temperature 25 °C)	7.77mΩ±5%
Storage temperature (°C)	-10°C - 50°C
Storage humidity (%)	≤85%
Balance quality of rotor (mg)	≤5mg
Weight(g)	128±5
Motor withstand voltage (AC)	500V(5S) ≤3mA
Operating environment temperature (°C)	-10°C + 65°C

额定电压 (V)	7.4V DC
空载电流 (A)	≤4.5A
空载转速 (rpm)	34780±5%
电机内阻 (mΩ) (环境温度: 25°C)	7.77mΩ±5%
保存温度 (°C)	-10°C - 50°C
使用湿度 (%)	≤85%
电机平衡度 (mg)	≤5mg
电机重量 (g)	128±5
电机耐压 (AC)	500V(4S) ≤3mA
使用温度 (°C)	-10°C + 65°C