

BLE-3 Controller

The BLE-3 controller is suitable for Brushless AC and DC motors up to 30kW. Also available in double micro and/or double CAN architecture.

Technical details

Power section

Power supply: 36V 48V 80V 96V 120V

Maximum current BLE3:

- (36V, 48V) 600 Arms (2')

- (72V, 80V) 450Arms (2')

- (96V, 120V) 400Arms (2')

Maximum current BLE3 PW:

- (72V, 80V) 550Arms (2')

- (96V) 500Arms (2')

Ambient Temperature range: -40° +40°C

Maximum heatsink temperature: 85°C
(starts to reduce current)

Mechanics

BLE2 dimensions: 200x230x90 mm

BLE2 heatsink dimensions: 200x230x110 mm

Connector: 1 Ampseal (2 premium version)

Protection: IP65

Available with Al base plate or with fitted heatsink

I/O (standard version)

3 Digital inputs; connection: active to +Batt.

2 Digital inputs; connection: active to –Batt.

2 Analog inputs (input range 0 ÷ 12 V)

1 Incremental encoder port

1 Analogue motor thermal sensor input

3 Outputs driving to - BATT:

I/O (premium version)

5 Digital inputs; connection: active to +Batt.

5 Digital inputs; connection: active to –Batt.

5 Analog inputs (input range 0 ÷ 12 V)

1 Incremental encoder port

1 Analogue motor thermal sensor input

3 Digital inputs for Hall sensor (BLDC motor control)

2 An. Inp. – Sin/Cos speed sensor (PMAC motor control)

3 Outputs driving to - BATT:

5 Outputs driving to –Batt, 1 A continuous, PWM voltage control

Other features

double microcontroller architecture

Flash memory embedded

Can interface (2 in premium version)

[Back](#)