
Product Description

The Eago 2N is high efficiency control unit for 1.5KW (rated) motor which covers most of battery voltages (nominal DC 36V~60V).

It supports several ADCs and I/O command inputs for wide range of applications. Multi-regeneration is available. Service and health diagnosis tool reduce the efforts of maintenance.

Utilities

- Light electric (and cargo) vehicle
- Personal transportation carrier

Features

- Motor phase current up to 90A (rated) / 130A (peak)
- 1.5KW (rated) and 2.2KW (peak)
- CAN Bus
- Field Oriented Control (FOC) for 97% efficiency and silent motor drive
- Multiple analog and digital input and output for extra application
- Intelligent motor-phase matching
- Regeneration
- Error protection and functional safety

Interfaces

Input			
Item type	Number of input	Description	Input range
Hall sensors	3	For motor halls	Low 0 VDC~0.5 VDC
			High 3.5 VDC~5.0 VDC
Analogue	2	For torque sensor and throttle	Low 0 VDC~0.5 VDC
			High 3.5 VDC~5.0 VDC
Digital	3	For brake and speed sensor	0 VDC~5 VDC
Input power	1	DC nominal voltage	36 VDC~60 VDC
CAN Bus	1		Differential

Output			
Item type	Number of Output	Description	Output range
Motor phases	3	for motor phases	90A for rating
5V	3	For sensors	200mA
12V	2	For light (front and rear)	3A

Eago 2N 1.5KW



Dimensions

147mm x 104mm x 32mm

