



MOTOR CONTROLLER FOR E-BIKE HUB MOTOR

Sensor less, Field Oriented Control of freewheel -equipped PMSM motor, for smoother and silent operation in PAS-equipped e-bikes.

Nominal voltage: 36Vdc

Nominal power: 250W, optional 400W

Maximum phase current: 35A

Control strategy: constant power, torque limit, with speed limit

Communication : RS232 to user interface

Inrush limiter provided

Inputs: PAS, throttle, brake contact

Outputs: motor, lights, blinker 6Vdc or 36Vdc