

E-BIKES

E-bikes need to be very energy efficient and noise free. The Melexis motor controllers take care of that. The newer generations will include tire pressure monitoring to maximize full distance range in real life.

Contactless temperature sensor

MLX90614 & MLX90632

Battery temperature management

Hall current sensor

MLX91210

Battery management system (charger)

Inverter power control

BLDC motor control

Linear Hall sensor

MLX90290

Pedal torque

Hall latch

MLX92215

BLDC motor commutation

TPMS

MLX91804

Tire pressure monitoring

3D Hall sensor

MLX90393 & MLX90363

BLDC motor position/angle

Linear Hall sensor

MLX90290

Hall resolver

MLX90380

BLDC motor position/angle

BLDC motor pre-drivers

MLX83203

BLDC motor control

3D Hall sensor

MLX90395 & MLX90365

3D Hall resolver

MLX90380

Pedal angle position

Hall switch

MLX92242

Speedometer

