



# KEY FEATURES



## MADE FOR YOU

The first thing you notice when you ride a Boomerang is how comfortable you feel. You'll swear it was made just for you – because it was! The most important part of any Pedego is the person riding it, and the Boomerang is built with only one thing in mind: YOU.

## USER FRIENDLY

The Boomerang is fully loaded with user-friendly features that make riding even more fun. From the simple pleasure of a built-in bell, to innovative Smart Bike Technology including a bluetooth connected smartphone app; we've thought of everything!



## BREATHTAKING PERFORMANCE

- A whisper quiet, 500 watt motor delivers best in class acceleration and hill climbing. The sensation of power it gives you is exhilarating.
- A state-of-the-art 48 volt battery uses the same advanced lithium-ion cells as an electric car. It weighs less than a housecat and can take you up to 100 kilometres on about 10 cents worth of electricity.

Try one free! Find a dealer at [pedegoelectricbikes.ca](http://pedegoelectricbikes.ca)

**PEDEGO**  
ELECTRIC BIKES  
CANADA

# SMALL DETAILS MAKE A BIG DIFFERENCE



## 1. Easy Access

Ultra-low 9" step-thru frame for easy access.



## 4. Balloon Tires

Kevlar-belted tires help prevent flats and give you a nice, smooth ride.



## 2. Comfy Seat

Soft saddle with a suspension seatpost for extra cushioning where it counts.



## 5. PedalSense®

Twist-and-go throttle, 5 levels of pedal assist, and LCD display with USB charger.



## 3. Bright Lights

Built-in front and rear lights for your safety and convenience.



## 6. Full Coverage

Full coverage chain guard protects your clothing

More Notes...

Try one free! Find a dealer at [pedegoelectricbikes.ca](http://pedegoelectricbikes.ca)

**PEDEGO**  
ELECTRIC BIKES  
C A N A D A

# SPECIFICATIONS

## Electronics

<b>MOTOR</b>	BLACK 48V BRUSHLESS GEARED REAR HUB MOTOR; 500 WATT NOMINAL POWER RATING; 45NM TORQUE; QUICK DISCONNECT CABLE WITH WATERPROOF CONNECTION.
<b>BATTERY</b>	48V 10AH OR 48V 15AH WITH PREMIUM LITHIUM ION 18650 CELLS; SMART BIKE TECHNOLOGY WITH ESB APP INTEGRATION; AUTO SLEEP FUNCTION AND BLUETOOTH CONNECTIVITY.
<b>CHARGER</b>	3 AMP SMART CHARGER WITH INTERNAL FAN AND CHARGE INDICATOR LIGHT.
<b>CONTROLLER</b>	48 VOLT 18 AMP SINE WAVE CONTROLLER WITH CUSTOM PEDALSENSE® SOFTWARE AND WATERPROOF CONNECTIONS.
<b>THROTTLE</b>	TWIST AND GO THROTTLE WITH THREADED WATERPROOF CONNECTION.
<b>PEDALSENSE®</b>	FREE RIDE MODE (NO POWER), FIVE LEVELS OF PEDAL ASSIST WITH THROTTLE OVERRIDE, AND THROTTLE ONLY MODE.
<b>TOP SPEED</b>	32 KM/H WITH MOTOR ASSISTANCE ONLY.
<b>DISPLAY</b>	3.5" BACKLIT LCD SCREEN; 4 BUTTONS TO CONTROL ELECTRONICS, TOGGLE INFO DISPLAYED, AND CUSTOMIZE SETTINGS; USB CHARGING PORT; WATERPROOF THREADED CONNECTION; CUSTOM PEDALSENSE® SOFTWARE.

## Drivetrain

<b>DERAILLEUR</b>	SHIMANO ACERA RD-M360 7-SPEED, FULL METAL CONSTRUCTION AND TEFLON COATED BUSHINGS.
<b>CASSETTE</b>	SHIMANO HYPERGLIDE HG20 7 SPEED 12-32T; SMOOTH, LIGHT AND RELIABLE SHIFTING PERFORMANCE.
<b>SHIFTER</b>	SHIMANO FT55 TOURNEY RIGHT HAND THUMB SHIFTER WITH EASY TO READ GEAR DISPLAY.
<b>BOTTOM BRACKET</b>	68MM x 137MM SQUARE TAPER SPINDLE WITH SEALED CARTRIDGE BEARINGS; STEEL CUPS AND BODY.
<b>CHAIN</b>	SHIMANO HG40 1/2"x3/32" 116 LINKS WITH INNER PLATE CHAMFERING.
<b>CRANK</b>	BLACK 3 PIECE CRANK WITH 3/32" 44T INTEGRATED CHAINRING; 170MM FORGED ALUMINUM CRANK ARMS.
<b>PEDALS</b>	BLACK PEDEGO ALUMINUM PLATFORM PEDAL; 9/16" SPINDLE; POLYMER DU BUSHING; INTEGRATED PEDAL REFLECTORS.

Try one free! Find a dealer at [pedegoelectricbikes.ca](http://pedegoelectricbikes.ca)

# SPECIFICATIONS

## Brakes

<b>CALIPERS</b>	AVID BB7 MOUNTAIN MECHANICAL DISC BRAKES; INTUITIVE EASY TO USE ADJUSTABILITY; DUAL KNOB PAD ADJUSTMENT; TRI-ALIGN CALIPER POSITIONING SYSTEM; INTEGRATED CABLE STOP SPRING TENSION ADJUSTMENT.
<b>LEVERS</b>	TEKTRO ERGONOMIC LEVER WITH RUBBER FINGER PADDING; INTEGRATED LEFT HAND BELL; INTEGRATED MOTOR CUT OFF SWITCH FOR MAXIMUM SAFETY.
<b>PADS</b>	AVID METAL SINTERED WITH STEEL BACKING PLATE; OE QUALITY FOR NO-COMPROMISE DISC BRAKE PERFORMANCE.
<b>ROTORS</b>	AVID G2 CLEAN SWEEP; 180MM DIAMETER; G2 DESIGN HELPS DIRT AND GRIME FROM ACCUMULATING ON BRAKE PADS.

## Components

<b>FRAME</b>	6061-T6 ALUMINUM ALLOY; INTEGRATED REINFORCED REAR RACK FOR BATTERY AND STORAGE; INTERNAL CABLE AND WIRE ROUTING.
<b>FORK</b>	26" RIGID HIGH TENSILE STEEL; 1 1/8" THREADED STEERER TUBE; DISC BRAKE AND FENDER MOUNTS.
<b>HEADSET</b>	ZERO STACK SEMI-INTEGRATED 1 1/8" THREADED; ZS44/28.6-26TPI   ZS44/30.
<b>SEATPOST</b>	BLACK 27.2MM x 350MM COIL SPRUNG SUSPENSION SEATPOST WITH 40MM OF TRAVEL AND ADJUSTABLE PRELOAD.
<b>SADDLE</b>	EXTRA WIDE CRUISER STYLE SADDLE WITH SOFT FOAM; REAR FACING PEDEGO LOGO; 265MM L x 265MM W.
<b>RIMS</b>	26" EXTRA STRENGTH DOUBLE WALL LIGHTWEIGHT ALUMINUM ALLOY; 12G X 36 HOLE.
<b>SPOKES</b>	BLACK HEAVY DUTY 12 GAUGE STAINLESS STEEL SPOKES WITH BRASS NIPPLES.
<b>GRIPS</b>	PEDEGO SYNTHETIC LEATHER GRIP WITH HAND STITCHING AND FOAM PADDING; COLOUR MATCHED BALLOON PACKAGE.
<b>HANDLEBAR</b>	BLACK ERGONOMIC CITY STYLE; ALUMINUM ALLOY; 25.4MM CLAMP DIAMETER; 650MM WIDTH.
<b>STEM</b>	BLACK QUICK RELEASE ADJUSTABLE QUILL STYLE; 110MM LENGTH; 0-80 DEGREE ADJUSTABLE ANGLE; 25.4MM HANDLEBAR CLAMP DIAMETER; HEIGHT ADJUSTABLE 0-60MM; FOR 1 1/8" (28.6MM) THREADED STEERER TUBE.
<b>TIRES</b>	SCHWALBE FAT FRANK 26" x 2.35" WITH K-GUARD KEVLAR FLAT PROTECTION; SLIME INNER TUBE SEALANT; SCHRADER VALVE.

Try one free! Find a dealer at [pedegoelectricbikes.ca](https://pedegoelectricbikes.ca)

# SPECIFICATIONS

## Extras

### LIGHTS

FRONT: LED WITH ADJUSTABLE MOUNT 40 LUX (200 LUMENS); REAR: LED BUILT INTO BATTERY; BOTH POWERED BY MAIN BATTERY AND CONTROLLED BY DISPLAY.

### KICKSTAND

BLACK ALUMINUM ALLOY CENTER KICKSTAND; ADJUSTABLE LENGTH COMPOSITE FOOT.

### TOOL KIT

CUSTOM PEDEGO TOOL KIT: 6" ADJUSTABLE WRENCH (UP TO 15MM), 12/13G SPOKE WRENCH, T25 TORX WRENCH, 6MM HEX WRENCH, 5MM HEX WRENCH WITH #2 PHILLIPS SCREWDRIVER, 4MM HEX WRENCH.

## Weight

### BIKE (NO BATTERY)

ONE SIZE: 24 KG.

### BATTERY

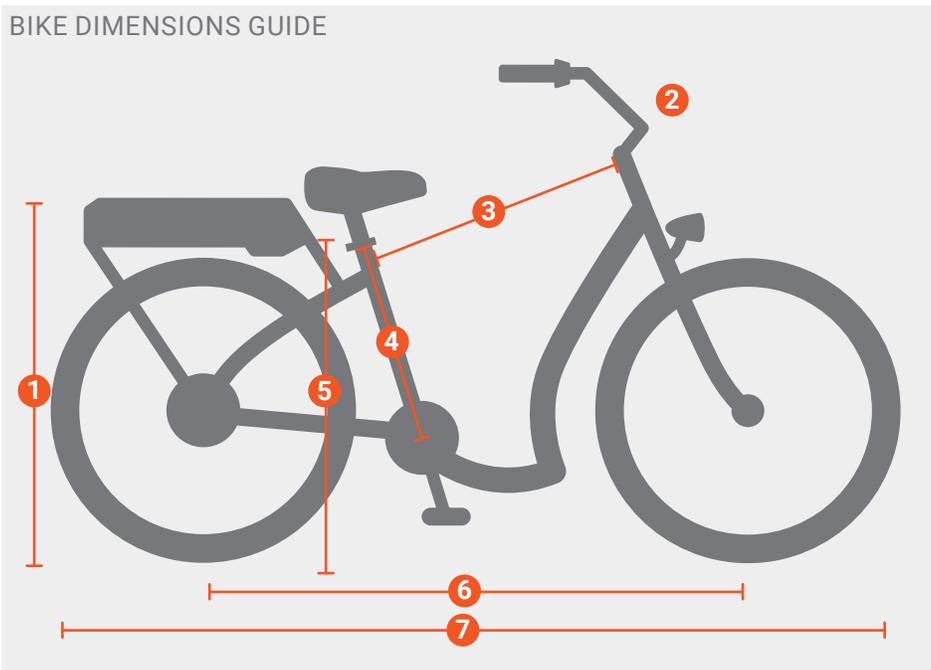
48V 15AH: 4.2 KG; 48V 10AH: 4 KG.

*\*All bicycle weights do not include a battery. Due to manufacturing tolerances of the individual components the overall bike weight may vary +/- 5%.*

# DIMENSIONS

## Boomerang Plus

### BIKE DIMENSIONS GUIDE



- 1 REAR HEIGHT**  
31" (787mm)
- 2 HANDLEBAR WIDTH**  
25" (635mm)
- 3 SEAT TUBE TO HANDSET**  
23.5" (597mm)
- 4 SEAT CLAMP TO CRANK**  
23" (584mm)
- 5 SEAT CLAMP TO GROUND**  
27" (686mm)
- 6 AXLE TO AXLE**  
47" (1194mm)
- 7 END TO END**  
74" (1880mm)

Try one free! Find a dealer at [pedegoelectricbikes.ca](http://pedegoelectricbikes.ca)