

# BOOMERANG

(\$3,495.00 to \$4,395.00)

The Pedego Boomerang Plus is the most accessible electric bike ever. The ultra low, 9" step thru frame makes riding fun and easy for more people.



## FRAME OPTIONS AND COLORS

### STEP THRU 26"

- Black
- Mineral Blue
- Red
- Shaded Spruce
- Stephanie Blue
- White

### STEP THRU 24"

- White
- Mineral Blue
- Red

## TIRE / WHEEL OPTIONS

- Black Balloon
- Brown Balloon
- Creme Balloon
- Mag Wheel Upgrade

## BATTERY OPTIONS

- 52v 10.5ah
- 52v 17.5ah

When you buy a Pedego, you're investing in:



The peace of mind of an industry leading five year warranty



Smart design and exceptional quality that lasts



Friendly customer care that goes the extra mile

## Notes

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# 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!

## USER FRIENDLY

The Boomerang is fully loaded with user-friendly features that make riding even more fun. We thought of everything!



## BREATHTAKING PERFORMANCE

- A whisper quiet, 749 watt motor delivers best in class acceleration and hill climbing. The sensation of power it gives you is exhilarating.
- A state-of-the-art 52 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 60 miles on about 10 cents worth of electricity.

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ELECTRIC BIKES

# SMALL DETAILS MAKE A BIG DIFFERENCE



## 1. Easy Access

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



## 2. Comfy Seat

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



## 3. Bright Lights

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



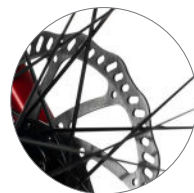
## 4. Balloon Tires

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



## 5. PedalSense®

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



## 6. Stop on a Dime

Powerful disc brakes can stop on a dime.

## More Notes...

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# BOOMERANG SPECIFICATIONS

## Electronics

MOTOR	BLACK 52V BRUSHLESS GEARED REAR HUB MOTOR; 749 WATT NOMINAL POWER RATING; 60NM TORQUE; QUICK DISCONNECT CABLE WITH WATERPROOF CONNECTION.
BATTERY	52 VOLT 17.5 OR 10.5 AMP HOUR WITH PREMIUM LITHIUM ION 18650 CELLS; SMART BIKE TECHNOLOGY WITH CANBUS COMMUNICATION; AUTO SLEEP FUNCTION.
CHARGER	52V 2 AMP PEDEGO FANLESS BATTERY CHARGER WITH CHARGE INDICATOR LIGHT.
CONTROLLER	52 VOLT 22 AMP SINE WAVE CONTROLLER WITH CUSTOM PEDALSENSE® SOFTWARE AND WATERPROOF CONNECTIONS.
THROTTLE	CUSTOM PEDEGO TWIST AND GO THROTTLE WITH COLOR LED ASSIST INDICATOR FOR MAXIMUM SAFETY; THREADED WATERPROOF CONNECTION.
PEDALSENSE®	FREE RIDE MODE (NO POWER), FIVE LEVELS OF PEDAL ASSIST WITH THROTTLE OVERRIDE, AND THROTTLE ONLY MODE.
TOP SPEED	CLASS 2: 20 MPH MAX, WITH PEDAL ASSIST AND THROTTLE ASSIST CLASS 3: 28 MPH MAX, WITH PEDAL ASSIST ONLY (SOFTWARE UPGRADE AVAILABLE THROUGH PEDEGO DEALER ONLY).
DISPLAY	3.5" BACKLIT LCD SCREEN WITH CANBUS COMMUNICATION; 4 BUTTONS TO CONTROL ELECTRONICS, TOGGLE INFO DISPLAYED, AND CUSTOMIZE SETTINGS; USB CHARGING PORT; WATERPROOF THREADED CONNECTION; CUSTOM PEDALSENSE® SOFTWARE.

## Drivetrain

DERAILLEUR	SHIMANO ACERA RD-M360 8 SPEED, FULL METAL CONSTRUCTION AND TEFLON COATED BUSHINGS.
CASSETTE	SHIMANO HYPERGLIDE HG200 8 SPEED 12-32T; SMOOTH, LIGHT AND RELIABLE SHIFTING PERFORMANCE.
SHIFTER	MICROSHIFT DS85-8L 8 SPEED LEFT HAND GRIP SHIFTER WITH EASY TO READ GEAR INDICATOR.
BOTTOM BRACKET	68MM x 137MM SQUARE TAPER SPINDLE WITH SEALED CARTRIDGE BEARINGS; STEEL CUPS AND BODY.
CHAIN	SHIMANO HG40 1/2"x3/32" 122-128 LINKS WITH INNER PLATE CHAMFERING; 24": 120 LINKS, 26": 124 LINKS.
CRANK	BLACK 3 PIECE CRANK WITH 52T 3/32" CHAINRING; 170MM FORGED ALUMINUM CRANK ARMS.
PEDALS	BLACK PEDEGO ALUMINUM PLATFORM PEDAL; 9/16" SPINDLE; POLYMER DU BUSHING; INTEGRATED PEDAL REFLECTORS.

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# SPECIFICATIONS

## Brakes

CALIPERS	STAR UNION 2 PISTON FORGED ALUMINUM HYDRAULIC DISC BRAKE; MINERAL OIL BRAKE FLUID.
LEVERS	STAR UNION 3 FINGER LEVER; CAST ALUMINUM WITH MOTOR CUTOFF SWITCH FOR MAXIMUM SAFETY.
PADS	CERAMIC MATERIAL WITH STEEL BACKING PLATE; OFFER SAFETY TOGETHER WITH EXCELLENT PERFORMANCE IN ALL SITUATIONS.
ROTORS	STAINLESS STEEL; 180MM DIAMETER; STIFF, DURABLE DESIGN WITH A STRAIGHT, PREDICTABLE BRAKING SURFACE.

## Components

FRAME	6061-T6 ALUMINUM ALLOY; INTEGRATED REINFORCED REAR RACK FOR BATTERY AND STORAGE; INTERNAL CABLE AND WIRE ROUTING.
FORK	RIGID CHROMOLY STEEL; 1 1/8" THREADED STEERER TUBE; DISC BRAKE AND FENDER MOUNTS.
HEADSET	ZERO STACK SEMI-INTEGRATED 1 1/8" THREADED; ZS44/28.6-26TPI   ZS44/30.
SEATPOST	BLACK 27.2MM x 350MM COIL SPRUNG SUSPENSION SEATPOST WITH 40MM OF TRAVEL AND ADJUSTABLE PRELOAD.
SADDLE	EXTRA WIDE CRUISER STYLE SADDLE WITH SOFT FOAM; REAR FACING PEDEGO LOGO; 265MM L x 265MM W.
RIMS	24" OR 26" OR 29" ALUMINUM ALLOY DOUBLE WALL RIMS; 24.7MM INTERNAL WIDTH; PINNED JOINT; 3D ANGLE DRILLED SPOKE HOLES; 12G X 36 HOLE.
SPOKES	BLACK HEAVY DUTY 12 GAUGE STAINLESS STEEL SPOKES WITH BRASS NIPPLES.
GRIPS	PEDEGO SYNTHETIC LEATHER GRIP WITH HAND STITCHING AND FOAM PADDING; COLOR MATCHED BALLOON PACKAGE.
HANDLEBAR	BLACK ERGONOMIC CITY STYLE; ALUMINUM ALLOY; 25.4MM CLAMP DIAMETER; 650MM WIDTH.
STEM	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.
TIRES	SCHWALBE FAT FRANK 26" X 2.35"; SCHWALBE BIG APPLE 24" X 2.0" WITH RACE GUARD KEVLAR FLAT PROTECTION; SLIME INNER TUBE SEALANT; SCHRADER VALVE.

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# SPECIFICATIONS

## Extras

### LIGHTS

FRONT: LED WITH ADJUSTABLE MOUNT 60 LUX;  
REAR: LED BUILT INTO BATTERY WITH BRAKE LIGHT FUNCTION; POWERED BY MAIN BATTERY AND CONTROLLED BY LCD.

### 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)

STEP THRU 24": 54.2 LB; STEP THRU 26": 56.4 LB.

### BATTERY

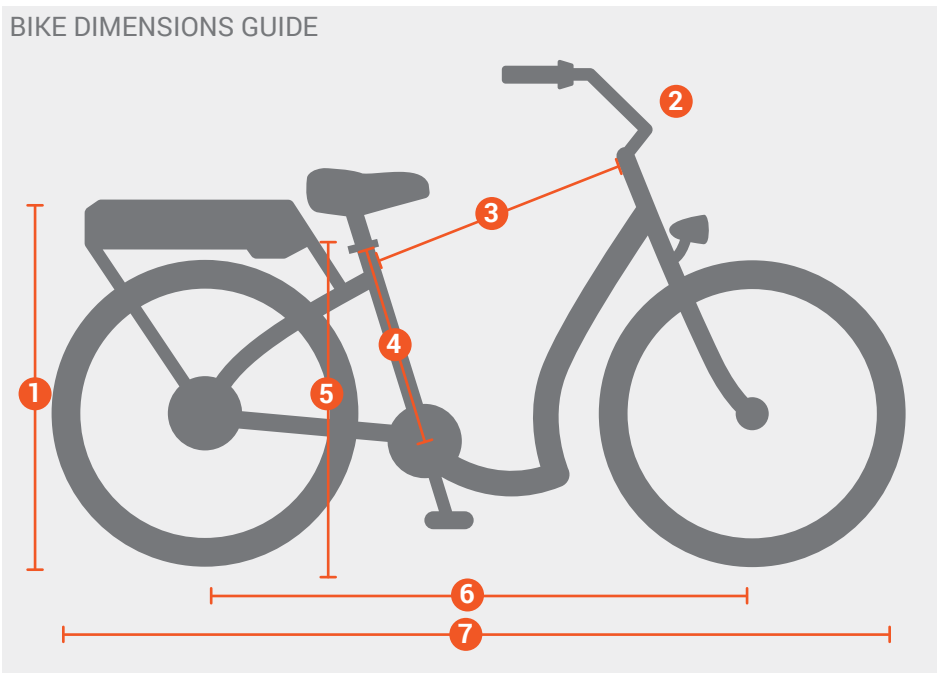
52V/17.5Ah: 10 LB; 52V/10.5Ah: 8.8LB.

*\*Specifications subject to change. 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 24"

### BIKE DIMENSIONS GUIDE



- 1 REAR HEIGHT**  
29.5" (749mm)
- 2 HANDLEBAR WIDTH**  
26" (660mm)
- 3 SEAT TUBE TO HEADSET**  
19.5" (495mm)
- 4 SEAT CLAMP TO CRANK**  
13.5" (343mm)
- 5 SEAT CLAMP TO GROUND**  
24.5" (622mm)
- 6 AXLE TO AXLE**  
43.5" (1105mm)
- 7 END TO END**  
68.5" (1740mm)

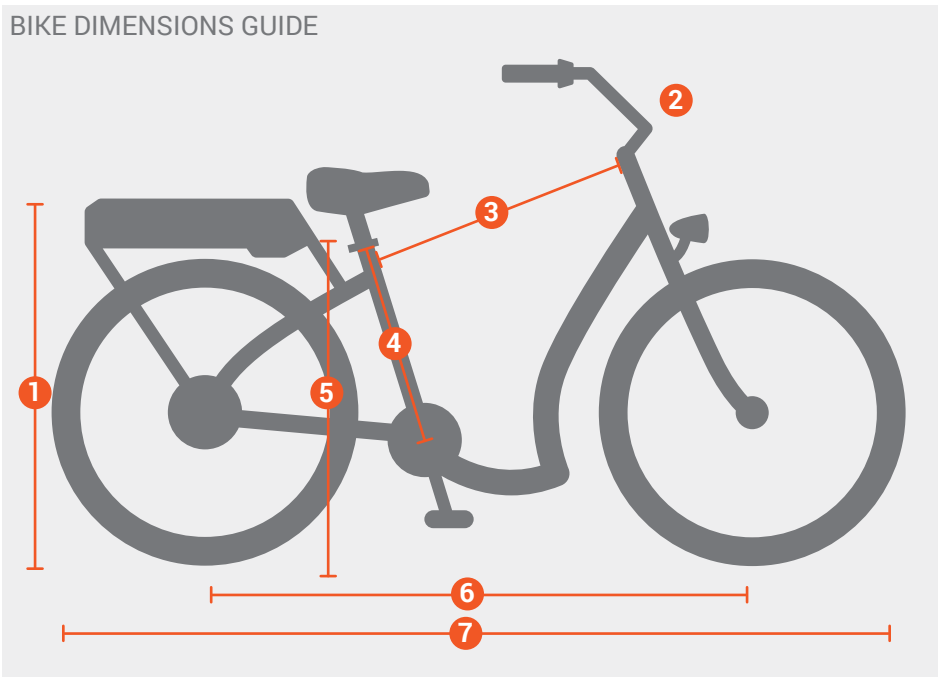
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# DIMENSIONS

## Boomerang Plus 26"

### BIKE DIMENSIONS GUIDE



- ① REAR HEIGHT  
32" (813mm)
- ② HANDLEBAR WIDTH  
26" (660mm)
- ③ SEAT TUBE TO HEADSET  
21.5" (546mm)
- ④ SEAT CLAMP TO CRANK  
15" (381mm)
- ⑤ SEAT CLAMP TO GROUND  
27" (686mm)
- ⑥ AXLE TO AXLE  
47" (1194mm)
- ⑦ END TO END  
74" (1880mm)

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