6061 eBike Commuter
SIZING AND SPECS
**BICYCLE SIZING AND GEOMETRY**

<table>
<thead>
<tr>
<th>INSEAM (IN.)</th>
<th>HEIGHT (IN.)</th>
<th>FRAME SIZE (CM)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>30” – 32”</td>
<td>5’3” – 5’7”</td>
<td>49</td>
<td>45.4</td>
<td>4.5</td>
<td>12</td>
<td>72.5°</td>
<td>49</td>
<td>73.5°</td>
<td>54 (56)</td>
</tr>
<tr>
<td>32” – 34”</td>
<td>5’7” – 5’10”</td>
<td>53</td>
<td>45.4</td>
<td>4.5</td>
<td>14</td>
<td>72.5°</td>
<td>53</td>
<td>73.5°</td>
<td>56.8 (58.5)</td>
</tr>
<tr>
<td>34” – 36”</td>
<td>5’10” – 6’2”</td>
<td>57</td>
<td>45.4</td>
<td>4.5</td>
<td>16</td>
<td>72.5°</td>
<td>57</td>
<td>73.5°</td>
<td>59.5 (61)</td>
</tr>
</tbody>
</table>

**COMPONENTS**

1. **Motor**
   - 36V - 250W AKM Rear Brushless Motor

2. **Battery**
   - LG 36V10Ah Cell Lithium Battery
   - 3.5 hours Charge Time

3. **Chain**
   - KMC® S1

4. **Crankset**
   - 52T BCD 130mm w/ Alloy Chainguard

5. **Fork**
   - Aluminum with Alloy Steerer

6. **Frame**
   - 6061 Aluminum

7. **Handlebars**
   - Double-butted OS 31.8mm Alloy

8. **Headset**
   - NECO H156M

9. **Hubs**
   - Alloy Disc Hub (36H)

10. **Saddle**
    - Black Microfiber

11. **Seatpost**
    - Alloy 30.4mm, 300mm length

12. **Stem**
    - 3D-Forged Alloy EXT 70mm, OS 31.8mm w/ Integrated LCD screen

13. **Tires**
    - Kenda eBike-specific 700x40c

14. **Brakes**
    - 160mm Rotor Disc Brakes

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**STATE Bicycle Co.**

6061 eBike Commuter Frame Geometry
## DETAILED SIZING AND SPEC GUIDE

<table>
<thead>
<tr>
<th></th>
<th>SMALL (49cm)</th>
<th>MEDIUM (53cm)</th>
<th>LARGE (57cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTUAL TOP TUBE LENGTH</td>
<td>540mm</td>
<td>567.8mm</td>
<td>595.2mm</td>
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<tr>
<td>EFFECTIVE TOP TUBE LENGTH</td>
<td>560mm</td>
<td>585mm</td>
<td>610mm</td>
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<tr>
<td>BB DROP</td>
<td>68mm</td>
<td>68mm</td>
<td>68mm</td>
</tr>
<tr>
<td>BB HEIGHT</td>
<td>285mm</td>
<td>285mm</td>
<td>285mm</td>
</tr>
<tr>
<td>CHAIN STAY LENGTH</td>
<td>454mm</td>
<td>454mm</td>
<td>454mm</td>
</tr>
<tr>
<td>COMPLETE BIKE WEIGHT (MEDIUM)</td>
<td>17.6kg</td>
<td>17.6kg</td>
<td>17.6kg</td>
</tr>
<tr>
<td>CRANK ARM LENGTH</td>
<td>170mm</td>
<td>170mm</td>
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<tr>
<td>FORK LENGTH</td>
<td>415mm</td>
<td>415mm</td>
<td>415mm</td>
</tr>
<tr>
<td>FORK OFFSET</td>
<td>45mm</td>
<td>45mm</td>
<td>45mm</td>
</tr>
<tr>
<td>HEAD TUBE ANGLE</td>
<td>72.5°</td>
<td>72.5°</td>
<td>72.5°</td>
</tr>
<tr>
<td>HEAD TUBE LENGTH</td>
<td>120mm</td>
<td>140mm</td>
<td>160mm</td>
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<tr>
<td>REACH</td>
<td>394.3mm</td>
<td>413.6mm</td>
<td>433mm</td>
</tr>
<tr>
<td>SEAT TUBE</td>
<td>530mm</td>
<td>570mm</td>
<td>570mm</td>
</tr>
<tr>
<td>SEAT TUBE ANGLE</td>
<td>73.5°</td>
<td>73.5°</td>
<td>73.5°</td>
</tr>
<tr>
<td>STACK</td>
<td>559.4mm</td>
<td>578.4mm</td>
<td>597mm</td>
</tr>
<tr>
<td>STANDOVER HEIGHT</td>
<td>781.4mm</td>
<td>808.4mm</td>
<td>836.7mm</td>
</tr>
<tr>
<td>WHEEL BASE</td>
<td>1046.7mm</td>
<td>1072mm</td>
<td>1097.4mm</td>
</tr>
</tbody>
</table>
MOTOR
36V - 250 Watt AKM
Rear Brushless Motor

20 mph limited (Class 1)
18-24 miles (with level 5 assist) / >100 miles (with level 1 assist)

BATTERY
LG 36V10Ah Cell Lithium Battery
3.5 hours Charge Time

BRAKES
160mm Rotor Disc Brakes
Forged Alloy

CHAIN
KMC S1

CHAINRING
52T BCD 130MM
with Alloy Chainguard

CRANK
CNC’d 6061 Aluminum
Crank Arm Length: 170mm

FORK
6061 Aluminum Fork with
Alloy Streerer

FRAME
6061 Aluminum

HEADSET
NECO H156M

HANDLEBARS
Double-Butted Sport Bar OS 31.8MM

HUBS
Alloy Disc Brake Hub 36 Holes
Spacing: F: 100mm / R: 120mm

PEDALS
Alloy Platform Pedals

SADDLE
Black MicroFiber with Steel Rails

SEAT POST
Alloy
Diameter: 30.4mm
Length: 300mm

SEAT POST CLAMP
Aluminum
Diameter: 34.9mm

SPOKES
14G, 3 Cross Pattern
Spoke Length F/R: 270mm

STEM
Forged Aluminum
Clamp Diameter: 31.8mm
Length: 90mm
Rise: +/- 7°

TIRES
Kenda eBike Specific
700c x 40mm

WHEELS
700c Aluminum Wheel Set
Mid Profile Rim Depth