Technical Data:
- 20 x 4 inch tyres
- Foldable frame
- 500Watt electric hub motor
- 48V Li-Ion battery 12Ah (576Wh)
- PAS sensor
- 48V 20Amp controller
- Programmable LCD display
- Max. speed 35km/h
- RST front shocks
- 180 mm mechanical disc brakes
SAFETY FIRST!

- Do not expose the battery to high temperatures, fire or extremely wet conditions
- Do not short-circuit the battery
- Do not open the battery
- Do not drop the battery
- Maintain the right tyre pressure
- Charge the battery in a cool, dry environment
- Make sure the frame and handle bar joint is tight and locked
Quick Start

- Slide battery into holder, lock and turn key on
- Switch on the display by pressing the on/off button on the handlebar. Keep pressed for at least 3 seconds
- Choose support level with arrow buttons
- Make sure the breaks are not pulled
- You can now begin to cycle
- The motor will provide support as soon as the rider starts to pedal
How does it work?

- A SunCycle is a normal bicycle with an electric motor and a battery. The battery provides energy to the motor to support the cyclist.
- A Pedal Assist Sensor (PAS) starts the motor as soon as the cyclist starts to pedal.
- The support level can be adjusted via the arrows UP/DOWN.
- The battery has a key to secure it to the frame. To remove the battery, flip the saddle up, push the key into the lock and unlock the battery.
- The battery can be charged after every ride. The battery level is indicated on the display (45Volt = empty; 54Volt = fully charged). The battery can stay on the frame while charging.
- Pulling the brakes will interrupt the motor and stop it from working.
- Keep UP-arrow pressed to switch on/off the light.
Maintenance

• Frame
  - Your E-Bike has a special foldable frame. For safety reasons make sure that the frame is tightened and secured correctly. To increase the tension in the steering tube joint, adjust the grub screws
  - Make sure the down tube joint is closed and secured with the plastic lock

• Tyres
  - To prevent punctures you can fill them with slime (Fug It recommended)
  - Maintaining the right pressure on the big tyres is crucial for a comfortable ride (the lower the pressure, the more comfortable and less bumpy the ride)

• Chain/Gears
  - Clean and lubricate with new oil every 2000 km
Maintenance

• Battery
  - Charging the battery from completely empty takes 4-5 hours
  - You can charge the battery after every ride
  - The battery can stay on the frame while charging
  - Recharge the battery every three months if not used to avoid total discharge
  - Don't expose the battery to direct sun, high temperatures or water
  - Don't short circuit the battery
  - Unplug the battery from the charger when fully charged
  - Don't leave the charger on the fully charged battery

• RST Front shocks
  - For a comfortable ride, make sure the shocks are not locked and the pressure is adjusted according to the rider's weight
The Electric Motor

- The electric motor is inside the back hub and connected to the battery via cables.
- To remove the back wheel (in case of a puncture), special care needs to be taken:
  - Cut the motor cable free from cable ties
  - Make sure the cable coming out of the motor's axis is not being stressed
  - Loosen the nuts on both sides
  - Remove back wheel gently
- When remounting the back wheel, make sure that the washers are in the correct place and the torque arms are tightened. The torque arms supports the motor's torque into the frame and is essential for safety.
- Make sure the motor axle is mount in the correct way and tightened properly.
Trouble Shooting

- If the E-Bike doesn't work:
  - Make sure support level is min. 1
  - Make sure the battery is charged
  - Make sure the battery is correctly mounted
  - Make sure the PAS sensor is in the right position
  - Make sure all cables and connectors are fitted correctly
  - Make sure the brakes are not pulled or defect. Check if display indicates a symbol like:

    ![Symbol Image]

    if so, check if brakes are pulled