

# SOLAR BIKE 250W mid-drive kit manual



C800  
Display



1) The motor is designed to fit within the bottom bracket shell of a bicycle that is 68-73mm. This is an extremely regular size. Bikes it can't be used on may include down-hill bikes with press fit bottom brackets, carbon-framed bikes or some fat bikes with extra wide bottom brackets.



2) You should remove your existing crank set and bottom bracket from your bicycle and slide the motor through. The right side of the BB has a reverse thread. Every now and then some filing may be required of the inside of the inside of the bicycle if there are rough protruding points. It may be required to remove cables that run under the bottom bracket in between the motor to avoid crushing them. You can run these in external cables. Remove the front derailleur as well. This will not be needed as the bicycle will have a single from chain ring.

3) Put the fixing piece over the axle that protrudes through the bicycle with the raised edges facing the bicycle and put bolts through this piece into the motor. Do not tighten yet though!



4) Put the locking nut over the motor axle and tighten with the tool provided as tight as you can. Have the motor rotated so it touches the down tube (diagonal tube) of the bicycle. This is because the motor wants to rotate this way when power is engaged and this prevents rotation and loosening of the motor. Tighten the fixing plate bolts after the large motor bolt is tightened. You can use washers as required to put in between this plate and the motor if the gap is large. There is a decorative nut you can also put on over the main nut.



5) Put the chain ring, crank arms and pedals on. Please note that there is a left and right sided crank, they are marked with a "L" and a "R". The left pedal has a reverse thread.



6) Put the speed sensor in place. Ensure that the distance between the magnet and the sensor is very minimal. You may need to use spacers to bring the sensor closer to the magnet. We often wrap up a bit of old tube for this purpose.



7) Connect all components together with plugs. These include display, throttle, electronic brake levers (optional), battery (red to red and black to black), and speed sensor. There are arrows to align everything and they can only be connected to the correct plugs. Be careful not to bend pins and you connect. Push all the way up.

8) Enjoy!

