



ELECTRIKE SMA FREQUENTLY ASKED QUESTIONS

CAN I RIDE AN E-TRIKE AS A REGULAR TRIKE, WITHOUT ELECTRIC POWER?

Yes. And it's easy to switch back & forth. For example, you might want to use power only when you are going up hills.

DO I HAVE TO PEDAL?

No. But even for E-Trikes with a full throttle, you will need to pedal when going up steep hills, although you won't have to pedal very hard. However, doing a bit of pedaling on the ElecTrike feels fun & natural, extends the range of your battery, extends the life of your motor, and extends your own life too.

WHAT ABOUT LEAVING MY ELECTRIKE OUT IN THE RAIN?

The motor & battery are sufficiently sealed to be protected from the rain. However, we do suggest that if you're carrying your E-Trike in the back of a pickup and it's raining, that you place the battery inside your vehicle. Driving in a downpour with a battery exposed is like pressure washing your battery (a lot different than riding your trike in the rain!)

HOW FAST CAN THE ELECTRIKE GO?

If you are pedaling, you can go as fast as you can pedal it. However, ElecTrikes stop providing electrical assist while pedaling at 20mph (32 kph).

WHAT IS THE RANGE I CAN GET FROM A SINGLE CHARGE?

The biggest factor contributing to your range is whether you pedal or just use the throttle without pedaling. With relaxed pedaling you can expect 22-50 miles (35 - 80 km) on a single charge. Range will also be affected by hills, wind, and your size or load. You can extend the range even further by using little or no power on level surfaces & down hill.

HOW LONG DOES IT TAKE TO CHARGE AN ELECTRIKE BATTERY?

A lithium ion battery that is fully depleted will take 3.5 to 6 hours to recharge. Batteries that still have a partial charge when you begin charging will take less.

In addition, the last hour or so of a charge is used to "top off" the cells, and you don't have to wait for that process to be completed. So some batteries can be 90% charged in 2.5 hours or less. **NOTE: DO NOT charge your battery for more than 8 hours at a time.**

HOW MANY CHARGES CAN I GET OUT OF ONE BATTERY?

The ElecTrike lithium ion battery will provide a minimum of 500 "full" charges, after which the battery holds only about 80% of its original charge. Lithium ion batteries have no memory effect, so if you re-charge the battery when it is only 50% depleted, that will count as only 1/2 of one charge. If you typically ride your E-Trike in pedal-assist mode - combining both pedal power & electric power - you can expect to go 10,000-30,000 miles (16,000 - 48,000 km) before replacing your battery.

HOW MUCH ELECTRICITY DOES IT TAKE TO CHARGE A BATTERY?

Depending on the capacity of the battery, it will usually take 400-500 watt hours (0.4-0.7 kilowatt hours) to charge the battery. Assuming a rate of \$0.10/kWh, it will cost you 4-5 cents for a charge that will last you 22 - 40 miles (35 - 64 km).

WILL MY BATTERY GET STOLEN? DOES IT LOCK INTO PLACE? HOW MUCH DOES IT COST TO REPLACE THE BATTERY?

Your battery locks into place, so it's safe to leave it on the street or in a parking lot.

Keeping in mind that your battery will run 10,000 - 30,000 miles (16,000 - 48,000 km)... that's A LOT of miles on a trike, and that it's in a theft-proof lock box, it is highly unlikely that you will need to replace the battery.

In the unlikely event that a battery does need to be replaced, it is one of the most expensive components of the ElecTrike. Replacement batteries are available through ElecTrike San Miguel at the current rate of \$3,000 MXP (approx. \$400 USD).

ELECTRIKE SAN MIGUEL

Tinajitas 24, Colonia San Antonio * Tuesday - Friday 11am - 5pm * Free Parking
* electrictrikesma@gmail.com * +(52) 415.121.9297