

Conversion Kit Plan.

The motor that I want to get is the X1 Pro Gen 4 5000W Mid Drive Conversion Kit.



Price : 1,250.00 USD → 1,893.38 AUD

The reason that this motor is a excellent choice is because of the following pros:

- It provides 5KW of power - perfect for street riding/mtb
- Includes a Built-in bashguard
- Thumb throttle/ Half-twist throttle/ Full twist throttle
- Magnetic speed sensor
- - 36V to 72V compatible

This motor is a excellent choice as it is not a hub-motor. This means that there will be a incredible increase in reliability and usability. The motor deems your pedals still usable as it offers pedal assist + thumb throttle/ half-twist throttle/ full twist throttle. It is also waterproof unlike a conventual conversion kits, which are hub motors. They ultimately lead to disappointment due to reliability errors. They also provide way too much torque than most bikes can handle. Leading to snapped connection bars on the back of bikes. You also cant ride

bikes that are upgraded from conventional conversion kits which use hub motors (they suck) and are unreliable. It also insures that no issues such as fires break out, which only happens with hub motors. This motor is classified as a Mid-drive motor, which basically translates to a motor that connects to a chain that connects to wheels. it also means that you can still pedal without the battery/power and use gears normally. This is great as since it packs power and range, while also having a backup. The bike is also a lot more discrete and blends in with other bikes. this means that the police will not pull me over, instead going for my friends on their Surrans and talarias. This parred with the A-65 eBike Battery Pack is the perfect combo!



Price: 1,096.00USD → 1,660.12AUD

The A-65 eBike Battery Pack is a extremely safe battery constructed by engineers at CYC motors. They are the same manufacturer as the Motor and provide up to 2 years of warranty, so that if anything goes wrong (nothing will) means that we can get a full refund / the bike replaced. Now this is a certified battery constructed by a top tier verified seller and manufacturer. The battery also has a limiter while charging, which cuts power when the battery is 100% leading to a almost impossible chance of the battery overcharging and exceeding its capacity which leads to the battery ether melting down or catching fire. Which would be a disaster causing a house fire or worse. The batters that come with normal hub-motor conversion kits are so unsafe. They overcharge a lot as there is no limiter. On several occasions have I known people whos kits have caught fire because they have had a trash - drop shipped ekit (people selling them off of temu and reselling for a lot higher)

But with this motor and battery combo. Safety is insured. The motor packs power, reliability and safety in one package, which is almost unheard of in the ebike community. The reliability in these mid-drive motors are insane and need to be studied by manufactures of hub motors.

Here is a quick comparison between them:



The Mid-Drive motor which packs power without as much as torque, speed but increases reliability by a drastic amount. The motor is water proof and allows the use of pedals which ensures that the bike can also be used as a mountain bike even without power. The motor is water proof and safe unlike the hub motors. The motor also has a limiter, cutting out at a certain speed to ensure safety, and increase battery life.



The hub motor Ebike conversion kits are pieces of junk. Police look out for these and are easy to spot. They are terrible company's and are unsafe. They are way too torquey. When you go fast on these motors they often catch fire, break and get impounded. The materials are low quality. They catch fire easily and **DO NOT LAST**.

Another big advantage of the Mid-Drive motor is that I can have it on the bike without having to change the wheel size of the bike. Unlike the conversion kit where you have to buy the kit and then the change the wheel type and size. Then you loose the pros on dads bike such as the tubeless tires, which are incredible and are much safer and easier to maintain. Popular youtubers such as sur roster, (almost 3 million subscribers on YouTube alone) even describe the hub motors as terrible. But he praised this exact Mid-Drive motor and its exactly where I got the idea from.



The A-65 eBike Battery Pack is a battery pack, design and built by CYC motors which is a very reputable distributor and manufacturer. The battery's are insured, will last and are water proof. They have charging limiters, insuring that there will not be an over charge and also have extremely counteractive safety measures compared to the ekit battery's. There isn't much to say about this battery, it is perfect in so many aspects that there aren't many cons to talk about.



The average Ekit battery is unreliable, extremely unsafe and not insured. It's made from cheap, unreliable battery cells which often explode and catch fire. This has been seen on several counts. The battery comes with a unreliable charger, is not water proof and is not insured. They are often just cheap pieces of junk that drop shippers sell for an extremely hiked price. These battery's **ARE NOT** safe and **WILL** have problems out of the box.

Now for the two assembled kits:



This is one of the Graceville boys bikes, the Bonnell 775mx. This bike has exactly the same battery and Mid-Drive motors. They are a lot more reliable, I have been seeing durability tests on YouTube which backs up the **2 year** included warranty with the kit. The motor is a Mid-Drive which just snaps onto the frame where the pedals are, then you put the pedals onto the kit, and your done. You don't even need to work with the chains. The motor also improves the center of gravity unlike the hub motors which are dangerous and **WILL NOT** even last just getting on the train.

Now believe It or not, this is one of the boys that lives in Graceville's bike. It is a 8KW (8000 Watts) conversion kit which he has had for about a month now. This is his second kit, as he had a 5000 watt Hub motor conversion kit and it literally broke. He was on the train with miles and when he got off it just would not move. This proves the unreliability of these bikes. Just by getting onto the train, sitting down for a few stops and the bumps when getting off, it broke the kit. This demonstrates the unreliability of the kit.

Image how fun it would be to be able to keep up with all of the Ebike kids in brisbane, while having a extremely more safe and reliable bike then all of them. The bike is safe, includes a speed limiter which will limit speed to increase safety. The kit includes a mobile app which lets you change the power output without effecting safety as even if you have the watts capped out at 5000, it will not let you go over the speed cap. Its just there so that when your doing things like climbing hills, you have the power to do so with ease. You can also check your battery on the app, which is also displayed on the display that goes on the handle bars.

For displays, there are two options:

The **SW102 Display**.



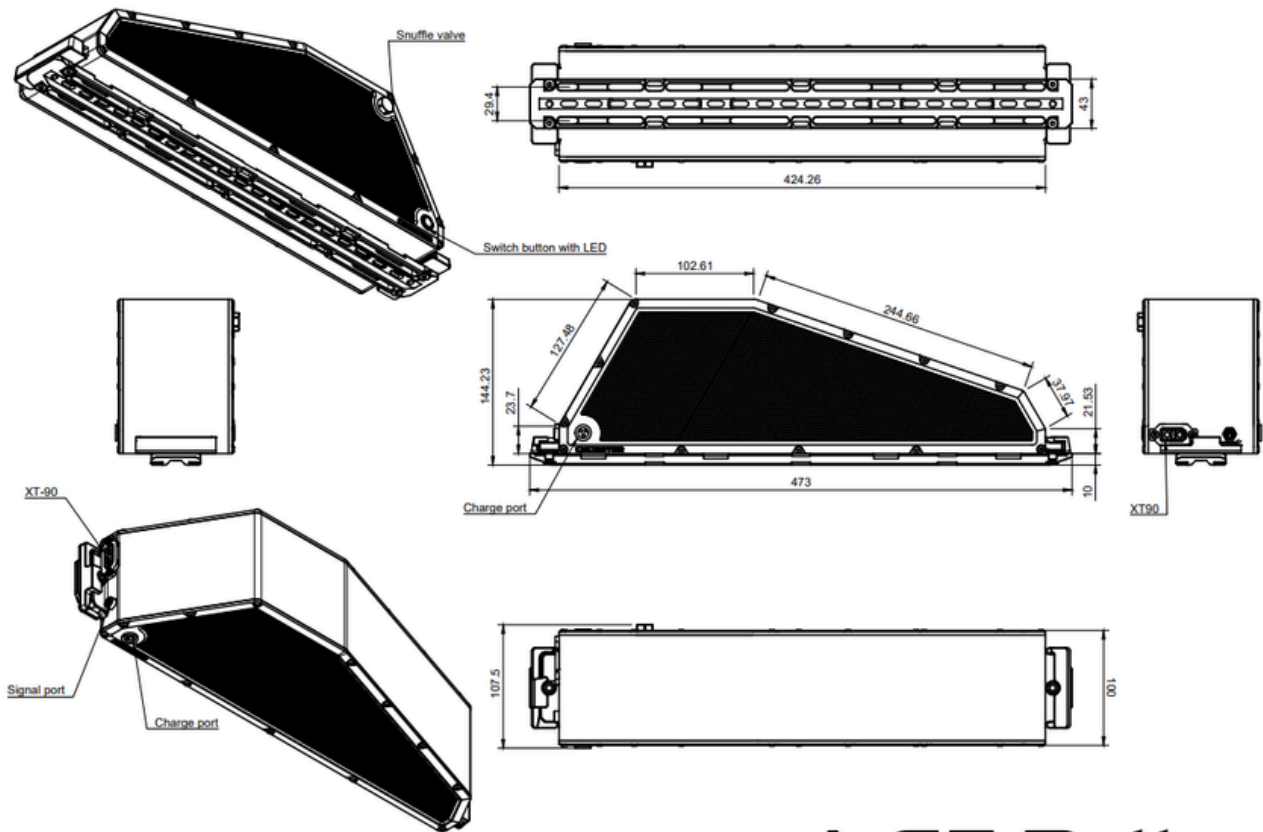
The **DS103 Display**.



This display is the SW102, it is the default included display in the kit. It displays your speed, your power mode and your battery. It also has a switch which allows to change power modes. (This does not increase and decrease the speed cap, it increases or decreases the watt output for things like climbing hills.)

This is the **DS103** it is basically just a upgraded version of the SW102. It displays the same metrics but includes a more colorful, easy to look at display. It includes a detachable mode changer (This does not increase and decrease the speed cap, it increases or decreases the watt output for things like climbing hills.) It also gives a more detailed battery display. The cost of this display is a extra 25\$ usd.

CYC provides a PDF which allows us to test if the battery pack will fit inside of the frame of the bike.



A-65 Battery

Dimension Sketches

These are the exact measurements of the battery.

Will the CYC kits fit my bike frame?

Yes, in most cases, but it's important to always check your bottom bracket type and chainring clearance.

CYC Kit	Bottom Bracket Compatibility
X1 Pro	BSA 68/73/83mm, BSA 100mm, BSA 120mm & BB92 options

After doing all of my research, it's clear that the X1 Pro Gen 4 5000W Mid Drive Conversion Kit and the A-65 eBike Battery Pack is the way to go. It's powerful, it's solid, and more importantly, it's safe. This isn't some cheap hub-motor setup that will be dead in a week or burn like those that people buy from fly-by-night dropshippers. This is an actual, high-level setup that's assembled by CYC Motors, which is actually a real reputable maker who engineers all this stuff to perfection. The motor delivers 5,000 watts of power, which is nuts, but it's also controlled and balanced. Because it's a mid-drive motor, it stabilizes the bike and actually allows me to pedal the pedals in a normal manner. That means if the power runs out,

I'm still able to ride just like a regular bike. It's waterproof, possesses an internal bashguard, and even has various types of throttles depending on my preference. It's the best of both worlds — power and safety. The A-65 eBike Battery Pack is also created by the same firm, so I know it's fully compatible and absolutely safe. It contains a charge limiter, so it does not overcharge and overheat, so literally there is no risk of fires and battery problems. It's water-resistant, certified, and insured for 2 years, so in case something goes wrong, you are protected. Can't say the same about cheap hub-motor kits guys buy online and that quickly burn or fail after a month or two. Not just is this setup strong, it is smart. It's cleaner-looking, safer, and mounts right in so police won't even look twice. It lets me ride with all the eBike enthusiasts here in Brisbane, keep pace with them, and ride safer than they actually do. They all ride on hub-motor kits that constantly break or break down after a few rides. Some of them get even impounded because they are so dodgy-looking. But with this set-up, I have the same pace, more dependability, and no risk whatsoever. With being able to go out on the bike with all the lads and not having to worry about my bike breaking down, the motor seizing up, or the battery blowing up in flames. I will finally be able to keep pace with everybody, participate in group rides, and not be shunned because I don't have an eBike. This is the smartest, safest, and most future-proof setup that I can possibly have. It's the kind of kit that really lasts for years, not weeks.

For my 15th birthday, this isn't just some random upgrade — this is something that lets me actually join in, hang out, and be part of the group while knowing I'm riding something safer, better, and way more reliable than anything else out there. It's an investment that pays off in fun, safety, and peace of mind. With the X1 Pro Gen 4 motor and A-65 battery combo, I'll finally have a bike that's fast, strong, waterproof, reliable, and safe. It's the perfect setup — and honestly, nothing even comes close.

Pricing:

The total price for both the motor and the battery comes out to 3,898.85 AUD including tax and shipping.

