Helpful Videos

Recommendation: Watch these at 1.25x - 1.50x speed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Topic | Why? | Link | Time Commitment | Technicality  (1 to 5) |
| RC General Overview | Brief overview Brushless Motors, ESCs, Battery, BECs - good overview of the electronics we’re using ourselves | [RC Basics](https://www.youtube.com/watch?v=OZNxbxL7cdc) | 20:10 | *★★* |
| LiPO Battery Overview | Basic specs of LiPO’s - stats to look for on batteries | [LiPO Batteries Explained](https://www.youtube.com/watch?v=-vK8o9Y84gM) | 5:03 | *★★* |
| LiPO KV | Explains what KV does for you - RPM/V and a bit more subtlety | [RC Basics: What is KV?](https://www.youtube.com/watch?v=IP4PFq6u7wg) | 13:45 | *★* |
| ESC Programming Options | Basic options for ESC Programming | [ESC Programming Baiscs](https://www.youtube.com/watch?v=2HIVAl8TBT0) | 4:06 | *★★* |
| ESC Electronics | A more detailed look at the electronics in the ESC | [What's inside: ESCs](https://www.youtube.com/watch?v=22CpRl2_TRI) | 7:00 | *★★★* |
| Example: BLDC Regenerative Braking | A shoddy example of someone trying to get regeneration to work | [BLDC Motoring](https://www.youtube.com/watch?v=ryD_FGhgFZ4) | 2:16 | *★* |
| ESC Brake | What it is, why to use it, how to use it | [ESC Brake](https://www.youtube.com/watch?v=qYHJgg_vvSQ) | 10:44 | *★★* |
| Alternators | Basically a regenerative brushless motor | [How does an Alternator Work?](https://www.youtube.com/watch?v=tiKH48EMgKE) | 5:19 | *★★★* |
| Schottky Diode | This is the low voltage-diode we will likely use for our rectifier | [Schottky Diode](https://www.youtube.com/watch?v=bXEyCf1P0UU) | 6:01 | *★★★★* |
| Rectifier Explanation | Something similar to what we want to use, but not quite | [Bridge Full-Wave Rectifier](https://www.youtube.com/watch?v=l5b0ZgErKto) | 3:54 | *★★★★* |
| Tips for starting a DLE Engine | These guys just kept screwing around; i did not make it through this entire video, but it seems useful | [How to start and tune DLE Engines](https://www.youtube.com/watch?v=AWIwOdZCdMc) | 23:58 | *★★* |