Component and Working

Component name:

1 Flysky FS-i6
2 Jonson Gear Motor
3 Motor driver l 298
4 E-Bike brush motor
5 Motor mount pair
6 A crop cutting blade
7 Lithium-ion batteries
8 Gear ring and chain
9 Wheels
10 Buck convertor

Working:

There are two batteries used here. Both of them are having different working one for bot locomotion and the other one for crop cutting blade rotation. When switch 1 is on it gives the power supply to the Arduino uno R3, motor driver, flysky fs i6.

Transmitter gives the command to the fly sky fs-i6 and it has been received by the fs-i6 receiver.Firstly receiver give the command to the Arduino R3. Arduino give the command to the motor driver and then the dc motor gets activated. Lets talk about throttle working in this, is if we move the throttle to the forward direction it goes to forward and the throttle goes to the reverse direction it goes backward. It can also be rotated to the left and right direction.

When switch 2 is on, supply goes to the buck converter and back converter converts the 12V-20amp to 12V-10amp.Relay is used as a switch for connectivity and My 6812 motor is used to connect battery. For command purpose the relay on and off for servo connection. In servo there is signal transmission connection. These connection can used to connect to the fly-fs i6 receiver and fly fs i6 gives command to servo connection.