

DC Brushed Windmill

Steak Electronics

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1 Overview

I would like to build a windmill. I want it as simple as possible, so DC Brushed Motor, and all parts replaceable. I'm building this with the expectation it might get stolen.

2 Requirements

I need the following items.

- DC Brushed motor, with easily accessible brushes (so they can be replaced).
- Easily sourceable Windmill Blades

In addition, since I have access to my companies resources, I can fiberglass the blades. I will 3d print a water resistant enclosure, and I will power something. Ideally, I will take current readings.

For the DC Motor, it's not easy to find ones with brush access panels, as the majority of hobby motors seem to require disassembly, but I did find one on ebay in the US for about \$10-20.