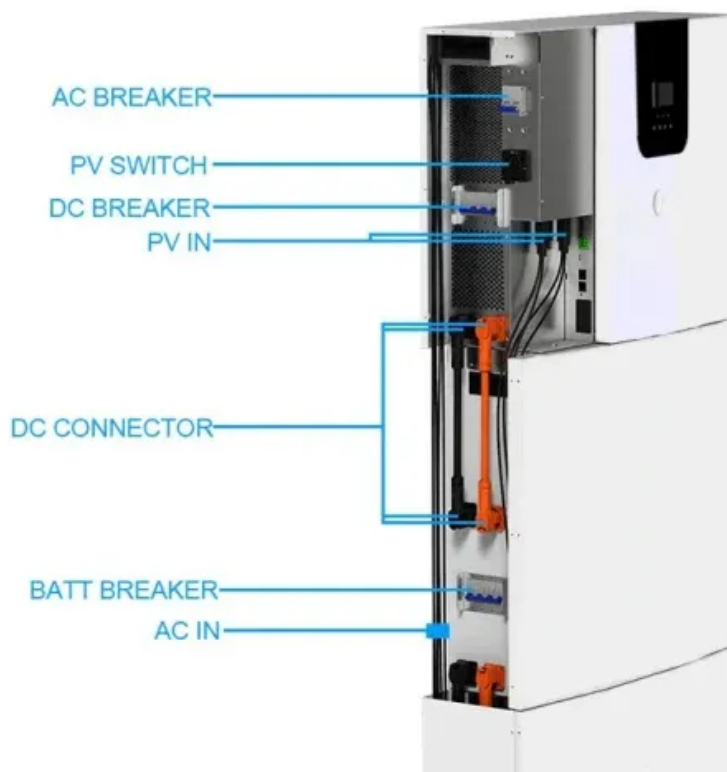


# Energy consumption and power generation in wind power manufacturing process



## Overview

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This paper discusses and reviews the basic principle parameters that affect the performance of wind turbines. Department of Energy (DOE) works with wind energy technology suppliers to promote advanced manufacturing capabilities. The goals are to increase reliability while lowering production costs and promote an industry that can meet all demands domestically while competing in the global market. The share of wind-based electricity generation is gradually increasing in the world energy market. Wind energy can reduce dependency on fossil fuels, as the result being attributed to a decrease in global warming. 2020; Chang and Starcher 2019). Our model has three components: (a) lifetime power generation model which uses Typical Meteorological Year 3 data from National.

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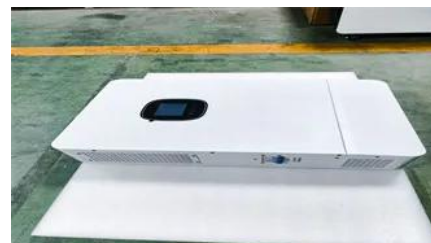


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