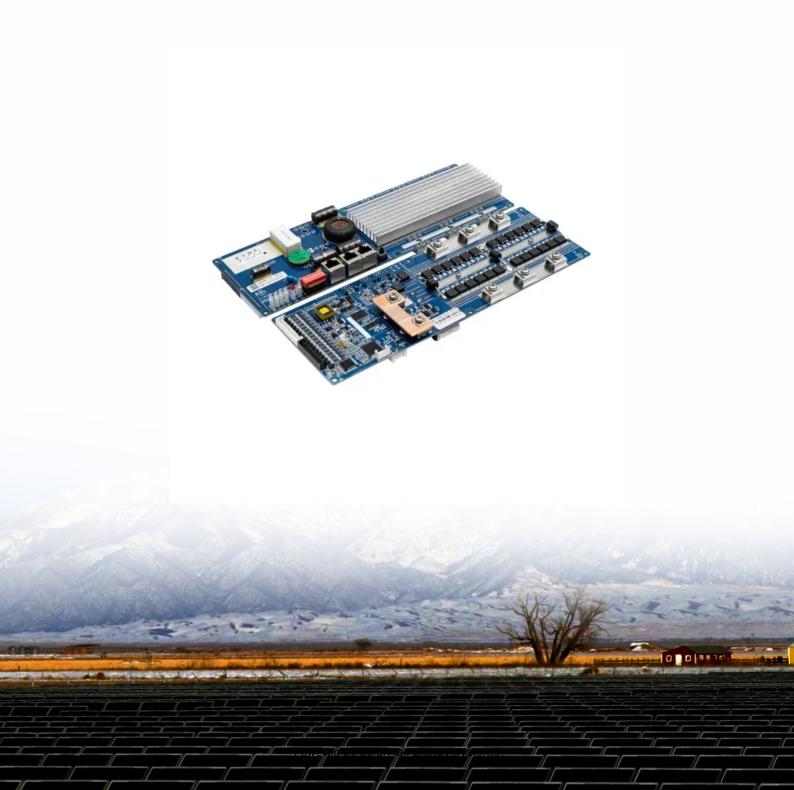


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Wind power generation and its systems





Overview

In 2020, wind supplied almost 1600 of electricity, which was over 5% of worldwide electrical generation and about 2% of energy consumption. With over 100 added during 2020, mostly , global installed wind power capacity reached more than 730 GW. But to help meet the 's goals to , analysts say it should expand much faster – by over 1%.



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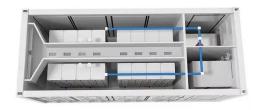
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Figure 4: Power flow diagram of a typical three-stage wind turbine gearbox. The low-speed input from the rotors (far left)



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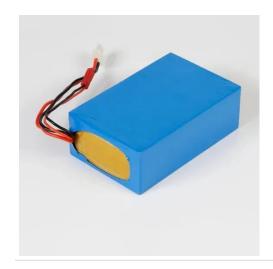


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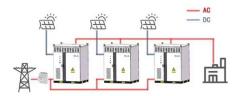
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