

Air-cored axial-flux permanent-magnet synchronous generators (AFPMSGs) are potential candidates for gearless direct-coupled wind turbines (DCWTs) owing to providing ...

SL3000 series wind turbine adopts mature and reliable double-fed technology and compact drive train involving many patents including large components self-maintenance, anti-salt corrosion and onshore module design; rotor diameter ...

This is because starting a wind turbine with a large cogging torque is more challenging. Therefore, this study proposes a spoke-type PMSG rotor shape design for low capacity wind turbines that considers magnetization ...

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A new practical way of modelling direct-driven permanent magnet synchronous generator (PMSG) wind turbines is proposed. The model emphasizes on the wind-rotor-to-PMSG-to-converter-to-grid system, which is ...

The permanent magnet synchronous generator (PMSG) is dominantly used in the present wind energy market. Reflecting the latest wind energy market trends and research articles, this study presents a survey on ...

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There are over 8000 sets of SL1500 series turbines installed since the establishment of first Chinese MW level wind farm in 2006. This series of wind turbine has obtained certificates of ...

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