

ABB PCS6000 is first medium voltage wind turbine converter to receive certification for applications in China

2017-02-28 - ABB's PCS6000 medium voltage wind turbine converter has received product certification from the China General Certification Center, CGC. The certification confirms compliance with the Chinese full-power converter guideline for wind turbines GB/T 25387-2010 according to the CGC certification rules CGC-R46022:2011.

CGC is one of the key certification organizations in renewable energy in China. It is focused on wind, solar and other renewables as well as energy efficiency.

The certification confirms that the ABB PCS6000 converter complies with all of the requirements related to technical design, efficiency, reliability, protection and safety. The certification process involved detailed assessments of the converter's test results, including functional, heat-run, vibration, climatic, EMC and protection tests.

PCS6000 is the first medium voltage wind turbine converter to receive the CGC certification. In addition to CGC, it also holds the DNV-GL GL-IV-2:2012 product certification.

Stephan Ebner, ABB's Segment Manager for Renewables said: "This certificate is a significant strategic move for ABB to further support wind projects in China. We have a strong focus on developing our offshore wind business and consider China as one of our key markets. The PCS6000 wind turbine converter is the perfect match for this market because of its wide power range, reliable and robust design and wind application specific features."

The PCS6000 medium voltage wind turbine converter is suitable for large-scale offshore wind turbines. Available up to 12 MW, it can be operated with permanent magnet and induction generators. Its compact footprint enables nacelle or tower installations. Its modular design allows easy customization to meet customer requirements. The PCS6000 also offers several wind application specific features that ensure efficient and reliable turbine operation and grid code compliance.

PCS6000 wind converters have been successfully operating in offshore conditions since 2010. To date a total 1 GW of offshore wind turbines in German and Chinese offshore wind parks are using the PCS6000 converter technology inside.

About ABB

ABB (ABN: SIX Swiss Ex) is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 132,000 employees. www.abb.com



Images:

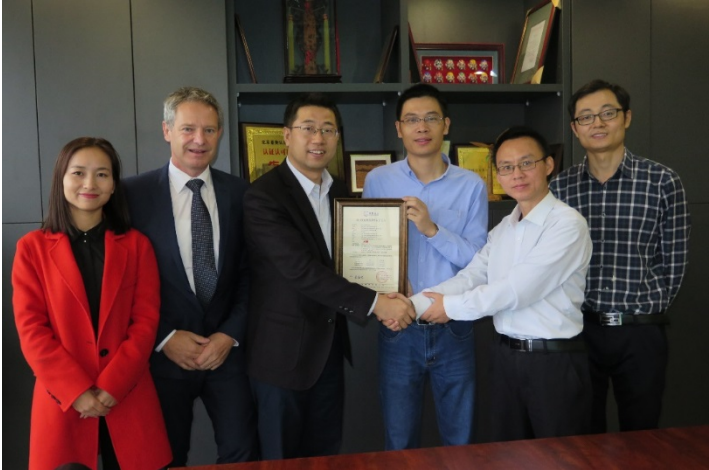


Image 1. Persons from the left: Ms. Gao Junjing, CGC Deputy Sales Director; Mr. Stephan Ebner, MV Drives Segment Manager Renewables; Dr. Guan Eryong, ABB CN MV Wind Technical Manager; Mr. Xiao Luosheng, CGC Deputy General Manager; Mr. Yang Hongyuan, CGC Deputy General Manager; Mr. Li Haoran, CGC Component Certification Manager



Image 2. ABB has a strong focus on developing its offshore wind business with Chinese turbine manufacturers.



Image 3. ABB's PCS6000 is the first medium voltage wind turbine converter to receive the CGC certification.



Image 4. The PCS6000 wind turbine converter is the perfect match for offshore wind applications because of its wide power range, reliable and robust design and wind application specific features.

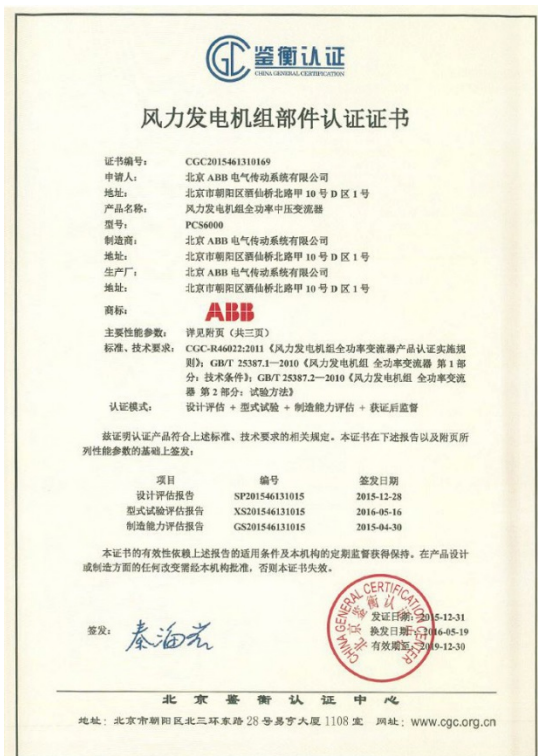


Image 5. The certification confirms that the ABB PCS6000 converter complies with all of the requirements related to technical design, efficiency, reliability, protection and safety.

For more information please visit:

ABB wind turbine converters, <http://new.abb.com/power-converters-inverters/wind-turbines>

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