

PCS POWER CONVERTER SOLUTIONS GMBH

PCS Power Converter Solutions GmbH is a medium-sized company located in Berlin with technological competence in the area of power converters for renewable energy, industrial equipment and railways.

PCS Power Converter Solutions GmbH



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Profile **Transformers & converters**
Category **Suppliers of electrical and electronic components**

Turnover **50 million Euro (2010)**
Staff **220**
Founding year **1843**

- [01] **PCS Green Line IGBT-Powermodule**
- [02] **PCS Power Converter Solutions GmbH**
- [03] **PCS Green Line 1522 for wind turbines using a synchronous generator**



[01]



[02]

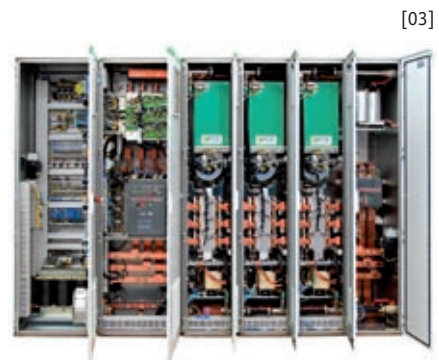
PCS is a dynamic, independent company with vast experience and about 220 expert staff. PCS develops, manufactures and supplies highly reliable power converters and electrical equipment which have been proven themselves more than 70,000 times – within the tough service conditions of rail deployment (PCS Rail) and highly dynamic industrial requirements (PCS Blue Line). Since 2005, PCS brings a fresh breeze into wind power generation. PCS Green Line power converters achieve peak performance for wind turbines – featuring user-friendly design, excellent control technology, life and simulated test runs, comprehensive project management, and all-round service.

PCS Green Line Converter Family: Bringing a Fresh Breeze to Wind Energy.
The centrepiece of any wind turbine is the power converter that converts the captured wind energy into electric power and feeds it into the grid. PCS Green Line is the logical redevelopment of our power converters to satisfy the specific needs of wind farm operators: A modular product line with standardised design that redefines the parameters of reliability and flexibility. PCS Green Line serves two principally dif-

ferent types of wind turbine: systems using a synchronous generator and systems using a doubly-fed induction generator.

Key characteristics:

- Performance classes from 1,000 kW to 3,500 kW
- Air-cooled or liquid-cooled
- IGBT-based four-quadrant power converters
- Excellent dynamic performance
- Reliable operation and diagnostics
- Easy integration via field bus systems
- Low-maintenance and easy to service
- Satisfies technical directives and grid connection requirements (Grid Codes)



[03]