

## Converter for Wind Turbines

# PCS Green Line 1000

The PCS Green Line 1000 serves to feed a reactive current during a voltage drop to meet an operator's grid codes.

In case of voltage drop of the line voltage up to 20% the wind turbine can therefore remain in the network and meet the grid codes.

The device is connected to the low-voltage side parallel to the line connection of the wind turbine and is supplies a maximum current of 2500 A.

Key features:

- Designed for single wind turbines
- Can easily be integrated into existing wind turbines
- Adaptable due to modular design
- Optimal due to price-performance ratio



PCS Green Line 1000

A company of  
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PCS – Technology and Competence

 **PCS**  
Power Converter Solutions

# PCS Green Line 1000

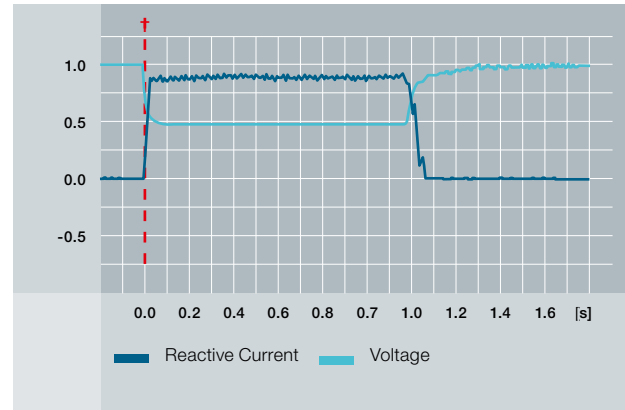
perfect integration - perfect customization

The PCS Green Line 1000 is based on the line converter from the PCS Blue Line. Its design is based on the knowledge gained from converters for industrial and rail applications, in which we have long-standing experience.

The converter is integrated in the wind turbine by means of a field bus. The current converter can be adjusted to the conditions of the wind turbine via parameters. Specific requirements are ensured by modifying the application software.

As an option, the system can also be extended with reactive current compensation.

## Converters for Wind Turbines



The figure shows a reactive current of 2000 A for a voltage drop.

### Technical data:

Line voltage	3 AC 690 V
Line frequency	50/60 Hz
Maximum current	2500 A
Maximum duration of current	2 x 3s
Cooling	Convection
Ambient temperature	-20°C bis 50°C
Protection class	IP54
Dimensions LxHxD	1400 mm x 2100 mm x 600 mm
Weight	approx. 950 kg



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