



The Benchmark  
for Wind Turbine  
Availability Under  
Tough Conditions

**SKiiP<sup>®</sup> X**

3-phase inverter from 1MW up to 6MW



## Highest environmental protection

- Climatic conditions 3K4 / pollution degree III condensation and pollution allowed during operation, less effort for climatic control inside cabinet
- Fully assembled and tested IPM
- Compact and low inductive DC link assembly supported

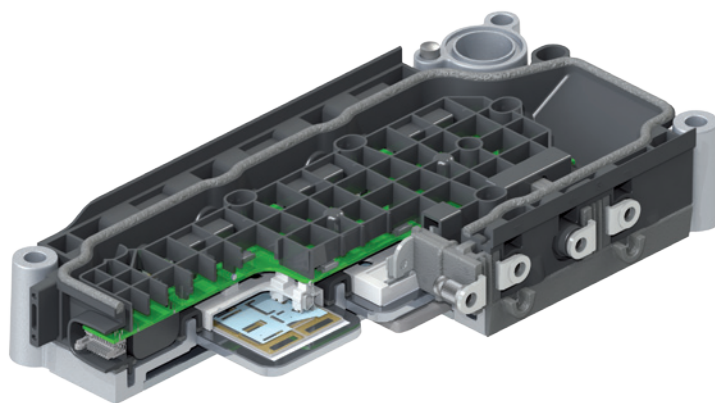


## SKiiPX platform

1700V platform	$I_{RMS}$ /phase	$P_{TOTAL}$	No. of phases	Dimensions H x W x D in mm
<b>SKiiP 121XGD17E4-6DW</b>	1200A	3 x 1.0MW	3	360 x 130 x 300
<b>SKiiP 181XGD17E4-9DW</b>	1800A	3 x 1.5MW	3	495 x 130 x 300

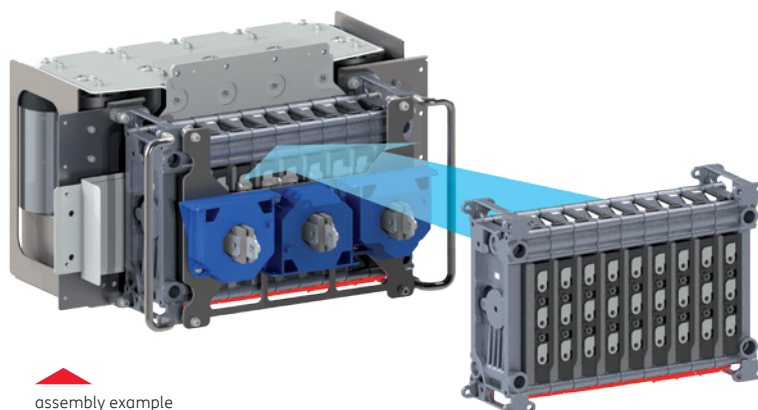
## Assembled SKiN Technology for extended lifetime

- No bonding wires, no solder - 10 x higher load cycle capability
- Integrated and closed cooling system
- Constant operation up to 70°C ambient temperature, requires less cooling effort



## The new standard for performance

- More than 24kVA/litre, only 72 litre for 1.5MW 3-phase inverter incl. DC-link
- 3MW converter, inverter and break chopper in one 600mm x 600mm x 2000mm cabinet
- Absolute benchmark in FIT, 50% less compared to today's solutions
- Safely galvanically separated primary output, no need for controller-side isolation



assembly example

## Key features

### 3-phase inverter from 1MW to 6MW

50% less volume, 50% fewer parts

Integrated water cooling

1 million load cycles @ΔT 70K

SKiN Technology

We are close to our customers  
[www.semikron.com/contact](http://www.semikron.com/contact)  
[shop.semikron.com](http://shop.semikron.com)

**SEMIKRON INTERNATIONAL GmbH**  
 Sigmundstrasse 200, 90431 Nuremberg, Germany  
 Phone +49 911 6559 6663 / Fax +49 911 6559 262  
[sales@semikron.com](mailto:sales@semikron.com) / [www.semikron.com](http://www.semikron.com)

NOTE: All information is based on our present knowledge and is to be used for information purposes only. The specifications of our components may not be considered as an assurance of component characteristics.