

Photovoltaic technology is taking a growing share of the power supply market and requires electrical systems able to offer the highest level of cost-effectiveness, availability and grid compatibility. With over 100 years of experience in power conversion, Convertteam is your ideal partner.



ConverSOL power system supplied as a containerised solution

### The best electrical partner to secure your PV solar project

Our long track history as a supplier of electrical systems for industry and renewable energy (including wind) is the basis for a strong partnership with solar project developers.

Convertteam is able to offer the complete electrical system for PV plants, starting from the PV panel connection to the grid connection, with a core offering made of ready-to-connect power substations in mobile containers for outdoor use.

Within the container resides the ConverSOL solar inverters, a medium

voltage step-up transformer, medium voltage switchgear and monitoring equipment.

### Our scope of supply includes:

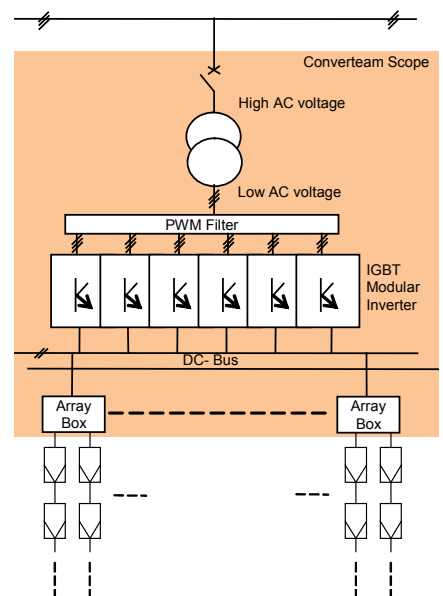
- Plant electrical design
- IGBT modular inverters (in-house manufacturing)
- Specification and procurement of the electrical hardware (including transformer and main grid sub-station)
- Instrumentation & control of the plant
- On-site installation & commissioning
- Operation & maintenance to guarantee our equipment up to 20 years.

### A strong experience in wind energy and grid codes

As a pioneer in the renewable energy market, Convertteam has been able to establish itself as a global leader for design and manufacturing of wind converters with more than 5GW of converters supplied every year.

This experience in the wind energy enables us to supply highly reliable equipment and to fulfil the most recent grid codes including:

- No switch-off during voltage dips
- Capacitive power support during voltage dips.



Scope of supply for a power station

**A modular architecture tailored to your installation...**

ConverSOL architecture allows connecting up to 6 modules (either air-cooled or liquid-cooled) in parallel in the same cabinet.

This modular and compact design provides more flexibility, more redundancy, more efficiency and better maintainability.

Higher power needs are not derived from adding-up several lower power cubicles but by building-up compact modules in parallel. Also, a particular care is taken to ensure optimized interface between the inverter and the transformer.

**...and improving the overall efficiency of the solar system**

The Converteam modular approach allows an optimization of the design of your PV solar installation.

Combined with teaming and multi-MPPT capabilities, ConverSOL brings the best efficiency to your solar PV plant.

Our High Performance Controller (C80-HPCi family) handles all functions of power conversion, pre-setting, local monitoring as well as remote monitoring.



| Photovoltaic installation

**An open control and monitoring system**

The data logger system enables time-defined logging of electrical input and output variables. Unexpected as well as pre-defined events can be transmitted immediately across the ConverSOL system via Internet or SMS.

An optional diagnostic function allows Converteam experts to analyze any default from remote and generates long-term analyses for the continuous improvement of the overall system.

**Operation and maintenance contracts for a full guarantee**

Converteam combines the responsiveness of a local business (through our Regional Business Centers) with the competencies and know-how of a global world-class contender.

With a 24/7 support associated to remote access and a preventive maintenance program, Converteam is able to provide full guarantee of the power station over its life time.

**Key benefits for customers:**

- A single electrical partner
- 100 years of experience in electrical systems
- A customized design of your installation
- A system approach targeting optimum efficiency
- Guarantee up to 20 years
- Compliance to grid operation requirements



| 24/7 support with remote access

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