




CONERGY

Conergy IPG T string inverter

Power³ – three-phase technology for top performance and flexibility. **Ingenious.**





Power³. The new Conergy IPG T string inverters for medium-sized solar energy systems. **Top-class.**

Inverters are the nerve center of every photovoltaic system. They convert the direct current generated by the solar modules into alternating current and supply it for domestic electricity usage or to the public power grid. Conergy inverters are particularly impressive due to their high efficiency level and are therefore extremely cost effective. For this reason, among others, Conergy inverters have received many awards, the latest of which was two “excellent”s for the Conergy IPG S series from the magazine “Photon”.

Conergy possesses an unrivalled expertise throughout the sector, thanks to years of experience in developing and manufacturing all system components, as well as planning, implementing and managing thousands of solar energy systems of all sizes throughout the world.

This expertise is also included in the new three-phase Conergy IPG T string inverters, which are optimally designed for medium-sized systems from 6 to 100 kW and more. They are characterised by planning flexibility, simple installation, extremely efficient operation and reliability over a long service life.

The new Conergy IPG T string inverters fulfil all requirements for functionality, ease of use and efficiency, furthermore they also have an alluring high-quality design.

The Conergy IPG T series is the right choice for highly efficient, long-term, medium-sized solar energy systems.

Specifications			
Conergy	IPG 8 T	IPG 11 T	IPG 15 T
Maximum efficiency factor	98,0 %	98,0 %	98,0 %
European efficiency factor	96,4 %	97,0 %	97,4 %
Max. DC voltage	1000 V	1000 V	1000 V
MPP voltage	350–800 V	400–800 V	450–800 V
Temperature range			
Protection type	IP 65		
Weight	44 kg		
Warranty	5 years, can be extended on request		

98 % peak efficiency factor, high-quality workmanship,
Made in Germany. **Perfect.**



●..... **Planning flexibility**

- | Suitable for nearly all system configurations and module types
- | Any desired combination of different performance classes
- | Three-phase design prevents unbalanced grid loads

●..... **Easy installation**

- | Minimal space requirements and short installation times in comparison with several single-phase units
- | Internal and external installation possible
- | Optionally available with the unique Conergy Service Tool for measuring and displaying the U/I characteristic curve

●..... **Extremely efficient operation**

- | Peak efficiency factor of 98 % for highest possible yields
- | Split second MPP tracking for variable light conditions
- | Optimum energy yield even with weak light conditions

●..... **Reliability over a long service life**

- | Comprehensive warranty of five years
- | Warranty extension possible for full investment security
- | Efficient cooling with innovative PowerCool technology



Made in Germany

Conergy develops and produces all inverters in Germany – according to uniform specifications, the highest standards with certified processes.

Precise system design, shorter installation times, can be used anywhere. **Universal.**

The new three-phase supply Conergy IPG T string inverters and the single-phase supply Conergy IPG S string inverters work in perfect harmony. This allows any size of system from 6 to 100 kW or more to be precisely configured to the nearest kW. This considerably reduces the effort involved in planning. Monitoring of the entire system with up to 20 inverters is reliably performed by the Conergy VisionBox.



Innovative technology made in Germany:

- | **Prevention of unbalanced grid loads thanks to three-phase technology:** the same power is supplied to the electricity grid on all three phases in parallel. This means that any number of Conergy IPG T inverters of different performance classes can be combined in a single system.
- | **Approved for thin-film and crystalline modules:** resulting in greater flexibility for system planning.
- | **High protection class IP65:** high-quality components guarantee a maximum operating life for the inverters, even in dusty environments.
- | **Comprehensive safety concept:** electronic string monitoring and integrated DC switch disconnecter.
- | **Innovative setup software:** facilitates system acceptance with immediate detection of connection errors, provides many on-site diagnostic capabilities and enables adaptation to country-specific requirements.
- | **Future-safe:** complies with all relevant requirements from the VDE, IEC and GS. Compliant with feed-in tariff requirements and the medium-voltage directive of the BDEW.

Can be used flexibly in different applications:

- | Private houses



- | Industry



- | Agriculture



Conergy VisionBox. The efficient monitoring system for photovoltaic systems. **Reliable.**

The Conergy VisionBox is a new type of monitoring system which efficiently and conveniently controls solar energy systems.

- | **Ideal for all solar energy systems from 3 to 300 kW**
- | **Automatic error reports** via display and LEDs. Furthermore various alarms can also be issued via SMS, fax or e-mail.
- | **Any combination of up to 20 inverters** in the Conergy IPG S and Conergy IPG T series can be monitored by the Conergy VisionBox.
- | **An integrated web server** allows the system to be monitored from any PC with Internet access.
- | **For extensive archiving or detailed analysis**, all data can be saved onto a USB stick and processed on the PC.

The Conergy VisionBox can be supplied as an accessory for all Conergy IPG string inverters.



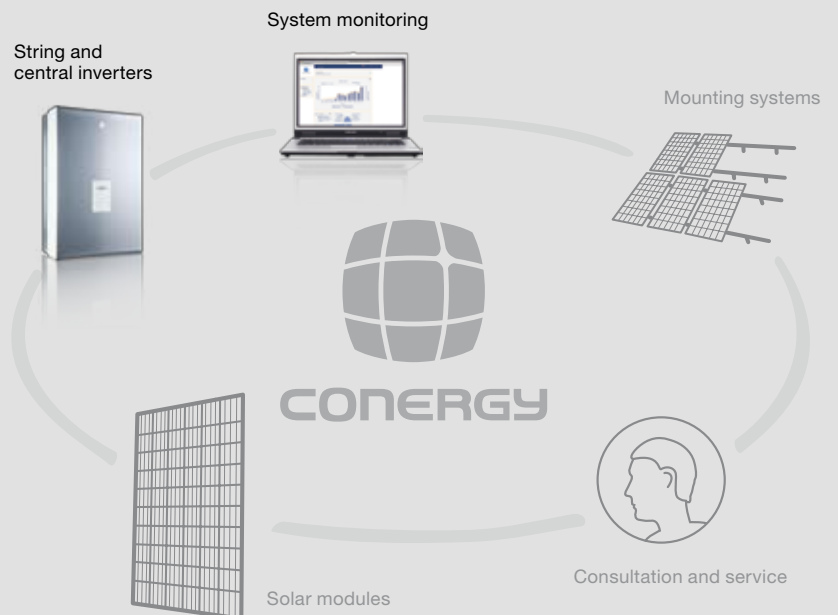
Our solar system:

High-quality photovoltaic systems from Conergy.

Conergy provides high-quality photovoltaic solutions which are made in Germany to strict quality standards, all from one source.

The high level quality of the photovoltaic systems from Conergy is verified by regular quality control checks. Photovoltaic systems made by Conergy have already proven themselves thousands of times in practical use and are used world-wide in various applications.

We invest this experience in the day-to-day development of our photovoltaic systems. All components in these systems are perfectly matched to each other and therefore ensure increased reliability, long-term high yields, a maximum operating life and low maintenance requirements.



OUR WORLD IS FULL OF ENERGY.



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Supplier:

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