

MAJOR ADVANTAGES OF ALL VARIANTS

- **Low weight** due to strengthened metal sheet design.
Highly anticorrosive powdered steel housing
- **High safety** due to fully qualified housings with IAC A/B 20 kA, 1s
(IEC EN 62271-202:2014) & VDE certificated grounding
- **Low effort** on construction site due to plug & play delivery
(fully inspected in our premises)
- **High protection** from environmental influences due to integrated
zinc-plated cable compartment & foundation
- **Environmental protection** due to integrated oil drip tray
according to StawaR
- **Adaptable** to different climate conditions
No additional foundation necessary
- **Reliable power** distribution due to high power capacities
- **Increased efficiency** through decentralised installation
- **Flexibility and scalability** due to the variance of the
individual transformer stations

COMPACT TRANSFORMER STATION

As internationally renowned expert in electrical engineering we set sustainable standards for our industry and initiate innovation in collaboration.

KEY INFORMATION

Scope:	Electrical engineering – with focus on renewable energy
Locations:	Baiersdorf, Bremen, St. Ingbert, Komárno (SK)
Experience since:	1946
Employees '24:	~450

PRODUCT CATEGORIES

- Turnkey Station Solution**
Turnkey Station Solutions (e.g. Compact Transformer Stations) for the renewable energy sector, as well as Power Houses.
- Switchgears**
Installations that distribute high electrical power at different voltage levels to the place of use (e.g. industrial and construction sites).
- Smart Technology**
We can equip each system with automation-, safety- or communication technology (including power quality solutions).
- Mechanical & Special Products**
We produce a wide range of weather- and vandalism resistant housings for electrical engineering, as well as special products (e.g. train control cabin).
- Services**
In addition to services like installations, we offer network measurement and installation training.

COMPACT TRANSFORMER STATION

DRIVERS FOR GREEN ENERGY



OUR COMPACT TRANSFORMER STATIONS (TKS)

are used especially in the field of renewable energies. We are constantly refining our products and currently offer five variants – three different sizes for land and floating projects respectively. All variants are characterized by their low weight (metal sheet instead of concrete), so that they can be transported and installed more easily and in a more environmentally friendly manner.

LAND STATIONS

FLOATING STATIONS

Types - TKS 1800 and TKS 3150 - are available as well as Land- and Floating Stations. The type TKS SKID 6000 is currently only available for Land.

ADVANTAGES & DETAILS

OF TKS TYPES



Land stations TKS 1800 and TKS 3150

Our Compact Transformer Stations are suitable for different kinds of terrains and can be easily transported due to its light weight.



TKS SKID 6000

TKS SKID 6000 is a very economical component in a solar park due to the increased power capacity for PV systems up to 8 MW.



Floating stations TKS 1800 and TKS 3150

The various TKS sizes can also be installed on water surfaces with a pontoon of the proven ZIM Float System from Zimmermann PV-Floating

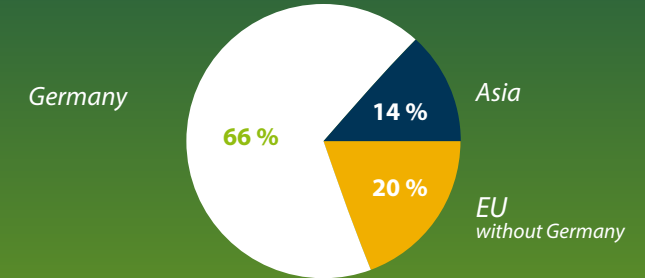
- Standard oil drip tray certified according to TÜV
- Trafo oil is bio-based & therefore environmentally friendly
- Additional coating for fresh water
- Cable entry for low, medium voltage & monitoring with cable entries from ROXTEC.

SUSTAINABILITY

SF6 free switchgear (24 kV)

- SIEMENS, blue GIS
- Schneider RM AirSeT

All switchgears IAC A/B tested (IEC EN 62271_202:2014)



Most of our components are sourced in Germany
excl. materials provided by our customers

DETAILS

Both housing (TKS 1800 and TKS 3150) are available as Land- and Floating Stations. The type SKID 6000 is currently available for Land.

	TKS 1.800	TKS 3.150	TKS SKID 6000
Power	800–1800 kVA	2000–3150 kVA	4000 - 8000 kVA
Weight	7,5 t	12 t	22 t
Dimensions	3.300 x 2.100 x 2.840 mm	4.100 x 2.900 x 3.250 mm	5.898 x 2.352 x 3.000 mm

Overview certified switchgears

Type	Manufacture	Voltage Rate	IAC A	IAC B	Notes
8DJH	Siemens	Up to 24 kV	yes	yes	gas insulated
8DJH	Siemens	36 kV	yes	no	gas insulated
blue GIS	Siemens	24 kV	yes	yes	SF6 free
Metering	Siemens	24 kV	yes	yes	air insulated
RM6	Schneider	24 kV	yes	yes	gas insulated
DVCAS	Schneider	36 kV	yes	yes	gas insulated
Premset	Schneider	15 kV	yes	yes	gas insulated
FBX*	Schneider	24 kV	yes	yes	gas insulated
RM AirSeT	Schneider	24 kV	yes	yes	SF6 free
GA/GAE 630*	Ormazabal	24 kV	yes	yes	gas insulated
Metering*	Ormazabal	24 kV	yes	yes	air insulated

*TKS 1800 with special high

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