Solar Connectivity for Harsh Outdoor Environments

The TE Connectivity SOLARKLOK product portfolio delivers a flexible solution for the interconnection of crystalline and thin-film modules used in industrial commercial, residential or BIPV applications. Our growing presence in the PV industry is backed by our ability to provide innovative, extensive, and high-quality products that are designed to withstand harsh outdoor environments. The majority of TE’s SOLARLOK products are dual (TÜV and UL) approved and used in installations around the world.
TE Connectivity: A global player in the solar market

TE Connectivity’s (TE) is a leading manufacturer of highly-engineered connectivity solutions for solar applications. Our growing presence in the photovoltaic (PV) and solar thermal industries is based on our broad portfolio of innovative products that meet the needs of the industry for cost-effective, highly reliable, efficient and safe solar energy systems. TE’s SOLARLOK product portfolio meets and exceeds the most relevant market standards (TÜV, UL, IEC and other specific customer requirements such as coast climate and ammonia) and delivers flexible, easy plug and play solutions – from the panel to the grid.

TE Global Design Centers
1 : Harrisburg, PA : USA
2 : Greensboro/Winston-Salem, NC : USA
3 : Menlo Park, CA : USA
4 : Wilsonville, OR : USA
5 : Eatontown, NJ : USA
6 : Kawasaki, Japan
7 : Bensheim, Germany
8 : Shanghai, China
9 : Kessel-Lo, Belgium
10 : s’Hertogenbosch, Netherlands
11 : Kyungsan, Korea

Solar Manufacturing Facilities
A : Trutnov, Czech Republic
B : Greensboro, NC : USA
C : Empalme, Mexico
D : Hermosilla, Mexico
E : DongGuann, China
F : Shanghai, China
G : QingDao, China
TE offers PV module manufacturers a broad portfolio of junction boxes that fit most module technologies: crystalline, thin film and BIPV applications.

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Building integrated photovoltaic installations (BIPV)

For the BIPV market, TE provides a specialized product portfolio comprising of the low-profile, highly innovative junction boxes and slim line connectors.

Reliable Connectivity for Any Environmental Impact

DESERT  SNOW  TROPICAL  AMMONIAC  SALT WATER*

Every TE product for the solar market undergoes a series of extensive tests, including thermal cycling, sealing, impact and long-term heat/humidity environmental testing. We are continuously researching new and innovative ways to replicate extreme environmental conditions to help ensure that our products offer excellent durability in the outdoors. The majority of TE’s SOLARLOK products are TÜV and UL approved - which makes them suitable for installations worldwide.

*according to IEC 60068-2-52
Global References: TE’s SOLARLOK 4-rail Junction Boxes and Cable Assemblies

Industrial installations

- **Solar field**: Czech Republic
- **Roof installation**: Slovenia
- **Industry Roof Installation**: USA
- **Industry Roof Installation**: China

Commercial installations

- **Taiwan’s Kaoshiung Stadium**: Taiwan
- **Marine Installations**: Mediterranean
- **Office building**: Germany
- **Country house**: Austria

Residential installations

- **Solar Sail Project Ajax, Ontario**: TE has proudly supplied 3-rail junction boxes and cable assemblies to this flagship project.

The Solar Sail

Our SOLARLOK products can help make any custom solar project unique. Located on the Lake Ontario shore, the Township of Ajax has always had a nautical theme. The new operations facility was going to be built away from the shore and the community wanted to keep the nautical theme with a solar sail. TE has proudly supplied 3-rail junction boxes and cable assemblies to this flagship project.
SOLARLOK Product Installation Trainings

TE Solar supports the PV installation business with a wide range of SOLARLOK products. Our network of solar distributors supports the installation business by having a stock profile of our SOLARLOK products.

TE offers free technical advice and practical training upon request. For this purpose, TE has designed a SOLARLOK product installation program which comprises face-to-face trainings in local language, tailored instruction manuals and other technical documentation in local language, as well as a sample kit with hand tools for practical training. The agenda of the hands-on trainings is a direct result of the error cases observed and feedback from everyday work. More than 2,500 installers worldwide have already accepted this offer.

Additionally, stripping, crimping and extraction tools from TE as well as an Installer Starter Kit and a Field Service Kit allow installers to complete solar installations easily, safely and reliably.

To schedule on-site facility training, please visit the knowledge center on te.com/solar for regional contacts.
Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.te.com/leadfree