



WEICON products for the

SOLAR SECTOR



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V 1.26

SOLAR ENERGY

Renewable energy systems are playing an increasingly important role today and will do so in the future. They are key to a resource-friendly and sustainable approach to nature and the environment.

Renewable energies also include solar energy, which converts the inexhaustible power of the sun into electricity that we can use. The sun's energy can be used by solar cells in photovoltaic systems, solar thermal power plants and solar collectors to generate electricity and heat.

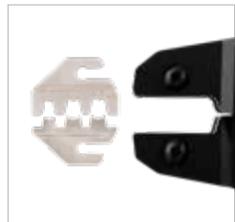
Photovoltaics has become an important pillar of the electricity supply. Solar cells convert sunlight directly into electricity in PV systems. The resulting electricity can be used to power electrical devices, stored in batteries or fed into the public grid.

In solar thermal power plants, the sun's rays are bundled with special concave mirrors. In this way, they heat a liquid that drives a turbine, thereby generating energy.

Solar collectors convert the sun's radiation into heat which in turn heats water or buildings.

WEICON offers you a whole range of products for the solar sector. Our special tools, adhesives and sealants as well as technical sprays can be used both in production and in the installation and maintenance of photovoltaic systems, solar thermal power plants or solar collectors.

Find solutions easily
with our
WEICON APP



MC4 NEW

For all standard solar connectors MC4 | 2.5 / 4 / 6 mm²

- ▶ precise work thanks to ratchet mechanism with blocking device
- ▶ process-safe crimping – tool only opens after the crimping process
- ▶ emergency release in the handle (in the event of misuse)
- ▶ modular Multi Change System for quick module changes
- ▶ eccentric setting for adjusting the crimping force
- ▶ comfortable feel thanks to 2-component handles

mm	g	Art.-No.
208	407	10100514

Module			
102	2.5/4/6 mm ² 14-10 AWG		

MC4 Solar Spanner NEW

Set of 2

- ▶ solar spanner made of fibreglass-reinforced plastic
- ▶ universal tool for mounting solar panels with MC4 connections
- ▶ suitable for: MC4 connectors
- ▶ with integrated unlocking tool for solar connectors



mm	g	Art.-No.
135	42	10101299



Cable Scissors No. 35

cutting – stripping – crimping

- ▶ 2-component handles for more safety
- ▶ high cutting capacity
- ▶ blades made of stainless special steel

includes a safety box
with belt clip

mm	g	Cu/Al	Cu/Al	Art.No.
150	90	<35 mm ²	<50 mm ²	10039667

SPECIAL TOOLS

for the stripping and skinning of common cables in the solar sector



Wire Stripper No. 7 Solar

- ▶ automatic wire stripper with scanning system
- ▶ suitable for all photovoltaic cables, e.g. H1Z2Z2-K according to EN 50618 from **1.5 to 10 mm²**
- ▶ integrated, easily accessible side cutter up to 3 mm Ø Cu/Al
- ▶ 5 different settings for precise adjustment to various insulations
- ▶ specially reinforced, galvanised and hardened blades

mm	g	mm ²	Art.No.
170	218	1.5-10 (16-8 AWG)	10025011



Wire Stripper No. 5 Solar Pro

- ▶ special tool for dismantling and stripping all common cables in the solar sector e.g. H1Z2Z2-K, with new stripping range from 1.5-10 mm² (16-8 AWG)
- ▶ extended setting from 5-25 mm
- ▶ powerful integrated side cutter up to 3 mm Cu/AL



mm	g	mm ²	Art.-No.
160	155	1.5-10 (16-8 AWG)	LED-Set: 10101938
160	140	1.5-10 (16-8 AWG)	Without LED: 10067897

Mini-Solar

- ▶ 3 different models for 3 high-performing areas of work
- ▶ for all common solar cables such as H1Z2Z2-K from 1.5 to 16 mm²
- ▶ ergonomics thanks to grip zones
- ▶ precise working enabled by easily adjustable
- ▶ length stop from 6 to 28 mm
- ▶ powerful, integrated side cutter up to 10 mm²

Article name	mm	g	mm ²	Art.-No.
Mini-Solar 1,5/2,5 mm ²	125	58	1,5/2,5 (16/14 AWG)	10065750
Mini-Solar 4/6 mm ²	125	58	4/6 (12/10 AWG)	10065752
Mini-Solar 10/16 mm ²	125	58	10/16 (8/6 AWG)	10065754

Solar PV Set

With our comprehensive **Solar PV set**, you get everything you need for the professional electrical installation of photovoltaic systems. The set is made up of four specialised tools designed to help you install your photovoltaic system efficiently and professionally.

- ▶ Wire Stripper No. 5 Solar Pro
- ▶ Crimping tool MC4
- ▶ Cable Scissors No. 35
- ▶ MC4 Solar Spanner Set

mm	g	Art.-No.
Length x Width x Height		
340 x 280 x 55	1248	10105555



For the solar sector

ADHESIVES AND SEALANTS



AN 302-43



Threadlocking | drinking water and DVGW approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 10 ml 10030474
- ▶ 20 ml 10030474
- ▶ 50 ml 10017876
- ▶ 200 ml 10019968

AN 302-70



Locking of threads and stud bolts | drinking water and DVGW approval

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 10 ml 10030476
- ▶ 20 ml 10016421
- ▶ 50 ml 10017884
- ▶ 200 ml 10019978



VA 2500 HT

Cyanoacrylate adhesive for special requirements | high-temperature resistant | high viscosity | slow curing | cures with residual elasticity | high peel and impact strength

- ▶ 12 g 10018871
- ▶ 30 g 10016398
- ▶ 60 g 10019803
- ▶ 500 g 10019803

Thread Sealing Cord DF 175



- ▶ for all thread types (metal or plastic)
- ▶ temperature-resistant from -200 °C to +240 °C
- ▶ silicone-free
- ▶ resistant to almost all chemicals, oils and gases
- ▶ suitable for solar systems
- ▶ tested up to 45° reverse rotation
- ▶ easy handling (time saving)
- ▶ BAM*

- ▶ Dispenser 175 m 10026655



* BAM tested and safety-related evaluated according to leaflet M 034-1 "List of nonmetallic materials compatible with oxygen" (DGLV information 213-075) of BG RCI



Solar-Flex®

Developed for solar industry

WEICON Solar-Flex® is strong, non-corrosive, paintable (wet-on-wet), weather-resistant and resistant to UV rays. It is free of silicone, isocyanate, halogens and solvents. WEICON Solar-Flex® is an elastic adhesive on MS polymer basis specially developed for the solar industry.

Both the very high initial bonding strength and the fast development of adhesive strength enable bondings even on vertical surfaces. Replaces traditional fixings in the assembly of solar and photovoltaic power systems.



	▶ 280 ml	▶ Set
white	10105046	10105049
grey	10105039	10105042

Erhöhte Lagerstabilität
+18 Monate
 months
 Longer shelf life

TECHNICAL

SPRAYS AND LIQUIDS

Corrosion protection

Zinc Spray

long-lasting cathodic corrosion protection | paintable | >1050 hours salt spray test according to DIN EN ISO 9227 | NSF certification

▶ 400 ml
10000016

Zinc Spray bright grade

long-lasting cathodic corrosion protection | colour matching fresh hot-dip galvanization | NSF certification

▶ 400 ml
10000047

Isolation Spray

transparent insulating and finishing varnish based on acrylic resin

▶ 400 ml
10053563



Technical sprays and liquid substances are used in almost all areas of industry.

They are used for the care and protection of surfaces, for cleaning and degreasing, lubricating, releasing and separating, and are an essential part in daily work.



Contact Spray

repels moisture | prevents leakage currents

▶ 400 ml
10026740

Surface Cleaner

for the pretreatment of bonding surfaces

▶ 150 ml ▶ 400 ml
10024317 10024313

▶ 1 L ▶ 5 L
10025301 10025288

▶ 10 L ▶ 28 L
10025292 10053467



Activating Cleaner

Cleaner and primer in one product | for pre-treatment of adherends

Universal cleaning agent and bonding agent in one product. Specially developed for the pre-treatment of smooth surfaces, such as stainless steel, glass and plastics.

The spray is used for the optimal preparation of non-absorbent surfaces. The cleaning and activation of non-porous substrates is carried out in only one work step. The spray can improve the adhesive force of the applied adhesive if necessary.

The Activating Cleaner has a short flash-off time and can be applied quickly and easily. This makes it ideal for application in industrial series production with short cycle times or for bonding that has to be carried out at short notice.

▶ 400 ml
10062859



ANTI SEIZE



ASSEMBLY PASTES

for highly stressed parts

even at high temperatures

temperature-resistant from -40 °C to + 1400 °C

protects against:

- ▶ corrosion – seizing up – wear
- ▶ stick-slip occurrence
- ▶ oxidation and fretting corrosion
- ▶ electrolytic reactions (“cold welding”)

Anti-Seize High-Tech Assembly Spray



metal-free

WEICON Anti-Seize High-Tech is high-temperature resistant, has excellent separating characteristics, is metal-free, neutral to materials and has NSF certification.

Anti-Seize High-Tech is especially suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used for health reasons and when dark metal-containing products should or may not be used for visual reasons.



▶ 450 g
10000196
Container
incl. brush

▶ 400 ml
10000221
Spray

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Management
System
ISO 9001:2015
ISO 14001:2015

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WEICON products for the
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