

**energize
the earth
buy the sun**

X SERIES

MICROMORPH 3

The Inventux thin-film solar modules of the X-Series **MICROMORPH** are made of an amorphous and micro-crystalline silicon layer. This micromorph tandem structure absorbs an especially wide spectrum of light, facilitates excellent performance with diffused solarization - and is particularly suitable for flat inclined roofs in east-west alignment.

The product design, with its optimal surface area of 1.43 square metres (15.39 sq ft), its frameless glass-glass structure, as well as its rear integration of stainless steel carrier profiles, combines excellent static properties with faster and material-saving mounting.

new

■ **Positive tolerance of $-0/+5 W_p$**

A sure investment due to guaranteed module performance

new

■ **White reflector foil**
and enlarged active surface

Increased module output

■ **Ideal module surface** with integrated
fiX mounting system

Time and material-saving installation at low costs

■ **Absorbs a wide spectrum of light** thanks to
tandem structure (a-Si/ μ c-Si)

Highest energy yields even in case of low light

■ **Free of toxic, dangerous materials,
RoHS certified**

Unproblematic recycling

■ **Monolithic series connection** by means of
laser technology without soldering joints

High functional reliability and longevity

■ **2 moulded junction boxes** with short cables
in the module corners

Fast, material-saving and safe stringing

■ **Frameless glass-glass design** with low iron
and highly translucent front glass

High energy yield, no dirt collection in edges, no inner freezing

■ **Black, slim cell design** with "pin-stripe"
appearance

Aesthetically pleasing product design

■ **Minimum usage of material** and very low
process temperatures

Short energy payback time as contribution to sustainability

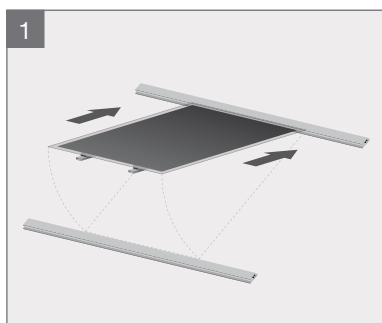
■ **Manufactured in state-of-the-art, automated
and ISO-certified facilities** with continuous
optical, mechanical and electrical inspections

Guaranteed quality and longevity

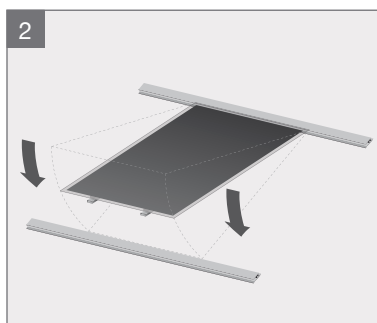
■ **Made in Germany**

Reliable product quality, continuous process
improvements

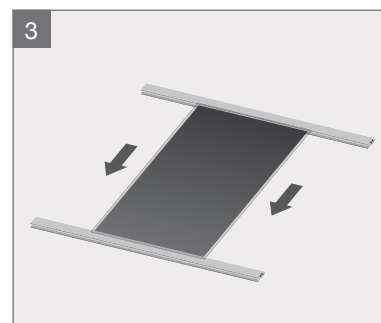
fiX Mounting System with 1-2-3 Principle



1 Insert module in upper profile



2 Lower module



3 Slide module into lower profile

■ **Fast, easy and safe mounting**
with 1-2-3 principle without clamps or screws

Lower installation costs, thus increasing the overall profitability of the system

■ **Effective double usage**
of a mounting profile by two module rows

Material and time-saving since fewer mounting profiles required

■ **Strainless mounting**

No glass breakage, particularly through weather-induced stresses (snow, wind, etc.)

■ **No construction-related minimum angle of inclination**

Highest flexibility in PV system design

■ **Stainless steel carrier profiles**

Longevity through the highest possible temperature and corrosion resistance

