



**YOUR PARTNER
IN ENERGY**

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MECAFIX[©]



TECHNICAL DATASHEET MECAFIX[©]



LAND ADAPTABILITY



WIND+SNOW+SEISMIC LOADS



TAILOR MADE DESIGN



MINIMAL MAINTENANCE



EASY ASSEMBLY NO SPECIAL TOOL REQUIRED



WIND TUNNEL TEST



LONG-TERM WARRANTIES

BASIC SPECS

STRUCTURAL SYSTEM: **double pile MECAFIX**

CONFIGURATION: **1/2/3 portrait & 2/4/6 landscape**

TILT ANGLE: **0° to 45°** (adaptable to customer requirements)

DIMENSIONS: **According to the particularities of the project** (module, string, loads, topography and soil type)

MODULE: **ALL market modules supported** (framed, glass to glass, bifacial)

FOUNDATIONS: **Ramming / Pre-drilling / Concrete foundations / Ground screw**

MATERIALS

STRUCTURE / PROFILES: **S355/S275+HDG100/S350GD+MAGNELIS ZM310**
SS Grade 340+HDG100/A572+MAGNELIS ZM310

FIXATIONS: **GR8.8 + TZN/SS A2**

A193B7/A354BC +304/18/8 stainless steel

CALCULATION CRITERIA

MAX WIND RESISTANCE: **72 m/s**

MAX SNOW RESISTANCE: **2.8 KN/m²**

WIND TESTS: **RWDI/CPP WIND TUNNEL**

ENVIRONMENTAL CORROSION: **C1-C5** (C3 as standard)

SLOPE NORTH-SOUTH: **12%**

SLOPE EAST-WEST: **15%**

GROUND CLEARANCE: **up to 1.00 m**

WARRANTY

DESIGN & MANUFACTURING DEFECTS: **Up to 10 years**

STRUCTURE: **Up to 12 years**

CORROSION: **Up to 30 years**

REGULATIONS

EUROCODES 1-3-4

ASTM/ASME / SAE

ASCE 7-10

ISO 9001-14001

ISO 1461/ASTM 123

BENEFITS

TAILOR MADE MODULATOR STRUCTURE

QUICK AND EASY TO INSTALL: Screw fixing system.

No cutting, drilling and welding required on site

REDUCTION OF CIVIL WORKS

MINIMAL O&M INVESTMENT: Thanks to the simplicity and reliability of the system