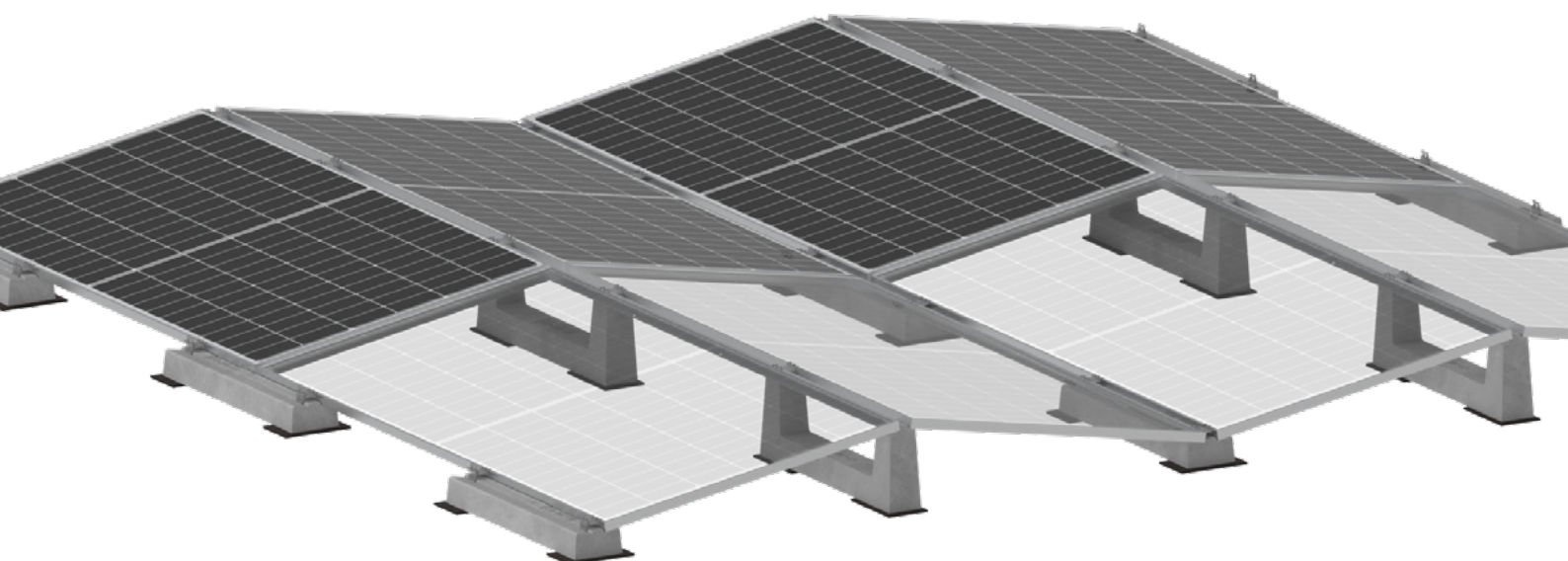


Technical Sheet

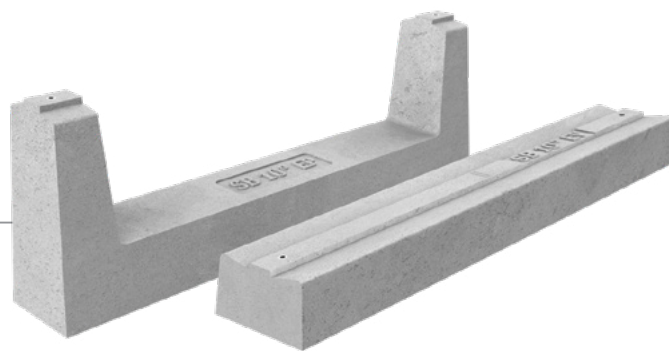
EasyWest

ART.23010.EV/.EP



EASYWEST 10°

ART. 23010.EV/.EP



Minimal roof load, high wind resistance, and compatibility with any type of module: the EasyWest system is designed to provide East-West installations on flat roofs with a support system that is extremely lightweight, easy to handle, robust, and quick to install, suitable for both standard panels and large-size modules.

Angle of inclination: 10°

Module positioning: Horizontal – Long Side

Compatible accessories:

- Sheathing (KGN23115)
- Option A:
Aluminium clamp
 EasyWest Peak/Valley Bracket (K23900EW.50)
 EasyWest terminal plate(23920EW)
- Option B:
 **Steel clamp with piercing teeth for module earthing**
 PowerClamp EasyWest Peak/Valley Bracket (K23900PWC-EV.40, K23900PWC-EP.40)
 PowerClamp terminal plate (23920/PWC)
- Additional weight (optional):
 U-Block (23015.CRP - 23030.CRP)

BALLAST ART. 23010.EV

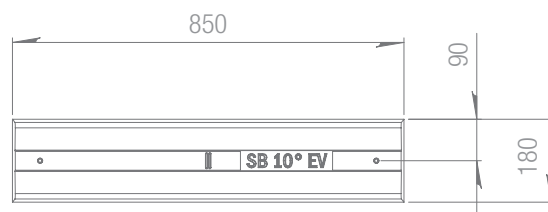
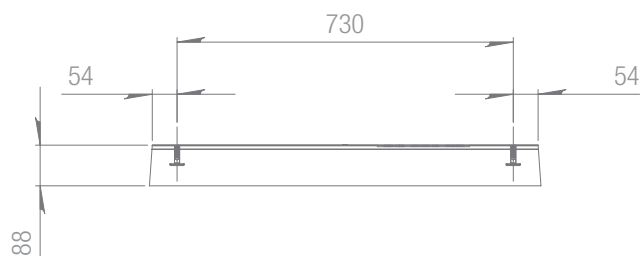
Ballast weight	28 kg	Pallet dimensions	850x920x518h mm
Quantity per pallet	20 pieces	Pallet weight	571 kg

BALLAST ART. 23010.EP

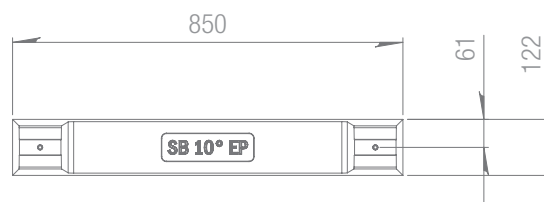
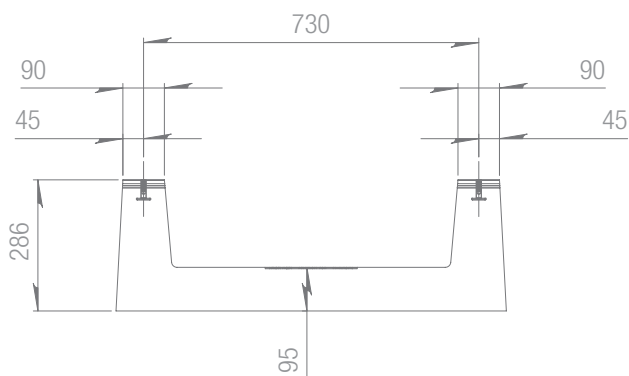
Ballast weight	30 kg	Pallet dimensions	850x1270x735h mm
Quantity per pallet	20 pieces	Pallet weight	615 kg

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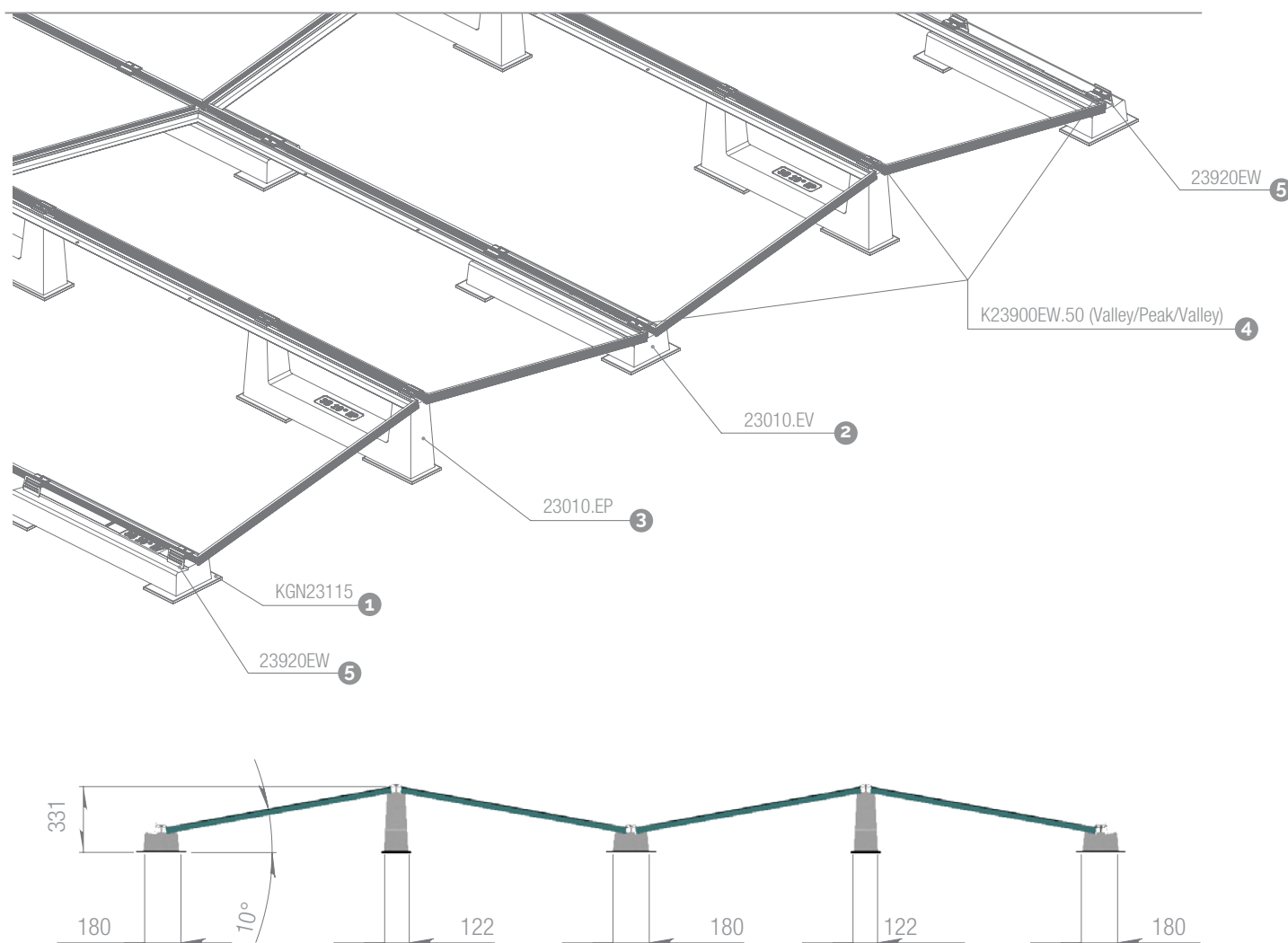
BALLAST 23010.EV DIMENSIONS



DIMENSIONI ZAVORRA 23010.EP



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Horizontal module assembly - A **ALUMINIUM CLAMP****INFO**

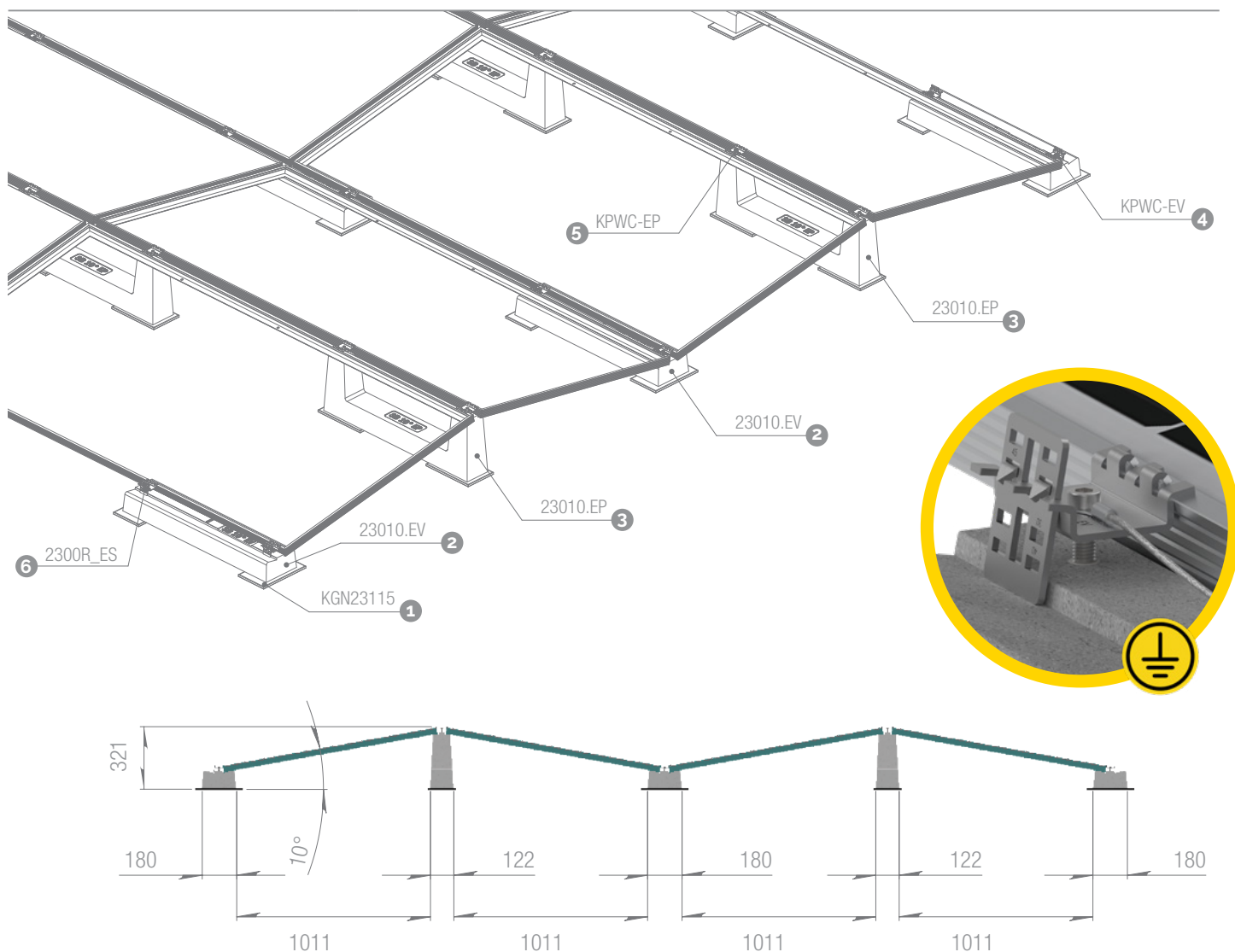
The images shown are purely indicative and may vary slightly.

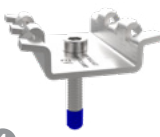
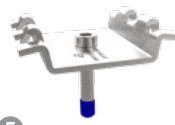
The quotas indicated in the section are indicative and for this reason it is important to refer to the project developed by Sun Ballast®.

The dimensions in the figure are all expressed in millimetres.

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Horizontal module assembly - B **STEEL CLAMP WITH PIERCING TEETH FOR MODULE EARTHING**



Sheathing KGN23125  1	Ballast 23010.EV  2	Ballast 23010.EP  3	Powerclamp Bracket KPWC-EV  4	Powerclamp Bracket KPWC-EV  5	Powerclamp End Plate 2300R_ES  6
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INFO

The images shown are purely indicative and may vary slightly.

The quotas indicated in the section are indicative and for this reason it is important to refer to the project developed by Sun Ballast®.

The dimensions in the figure are all expressed in millimetres.

SB_ST_EN_8OTT_26

EARTHING CLAMP



When using the PowerClamp® clamp, the earthing cable must be connected and module compatibility must be verified by consulting the technical data sheet provided by the manufacturer.

BENEFITS OF EARTHING

- **Protection against electric shock:** Protects people from the risk of electric shock caused by insulation faults that could energise the metal frames.
- **Lightning protection:** Essential for integrating the system into a lightning protection system, dissipating excess energy into the ground.
- **System stability:** Reduces overvoltages that could damage the inverter or other sensitive electronic components of the system.
- **Regulatory compliance:** In 2026, compliance with CEI standards remains a fundamental requirement for safety and for access to any incentives or tax deductions (such as the 50% deduction confirmed for primary residences).

POTENTIAL ISSUES WITH EARTHING

- **Galvanic corrosion:** If incompatible materials are used for the module frame and the earthing system, a corrosion process may be triggered that degrades the components over time.
- **PID effect (Potential Induced Degradation):** With some module types, earthing the frame can promote leakage currents to earth that accelerate cell degradation, reducing system efficiency in the long term.
- **Installation complexity:** Requires additional wiring and the use of specific clamps that pierce the oxide (anodised) layer of the aluminium to ensure a lasting electrical contact.

INFORMATION ON EARTHING PV MODULES

Earthing PV modules is a technical operation governed by specific regulations. It offers safety benefits but can cause issues if not carried out correctly: read the information sheet by scanning the QR code or in the “[Documents](#)” section of our website.

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TECHNICAL CHARACTERISTICS OF THE BALLASTS

Description:

Precast unreinforced concrete ballast.

(Inside, there is an iron rod to increase mechanical flexibility)

- Exposure class: XC4;
- Strength class: C32/40;
- Minimum cement content: 340 kg/m³;
- Fire resistance class: Class 0 (Italian class) A1 (European class with ref. UNI EN 13501-1:2019);
- Maximum H₂O penetration depth under pressure 500 kPa: 15 mm;
- Maximum H₂O penetration depth under pressure 500 kPa: 15 mm;
- Weight tolerance: $\pm 5\%$;
- Measurement: ± 5 mm;
- Determination of pullout force of M8 threaded insert embedded in CLS element by direct pulling of M8 threaded bar screwed into it.

Results of the tensile test at 15 KN (1530 kg):

No slipping of the threaded insert;

Fracture of the threaded bar

BASIC SBRL, in the person of its legal representative, declares that production complies with UNI EN 206 and UNI 11104 standards, instructions, and procedures of the quality management system by UNI EN ISO 9001:2015 with TUV certification.

Any modification made to the product referred to in this declaration without the manufacturer's authorization voids this declaration of technical requirements. The technical characteristics of the product are listed below..



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Made to last
Patented systems

CONTACTS

INFORMATION AND FIRST CONTACT

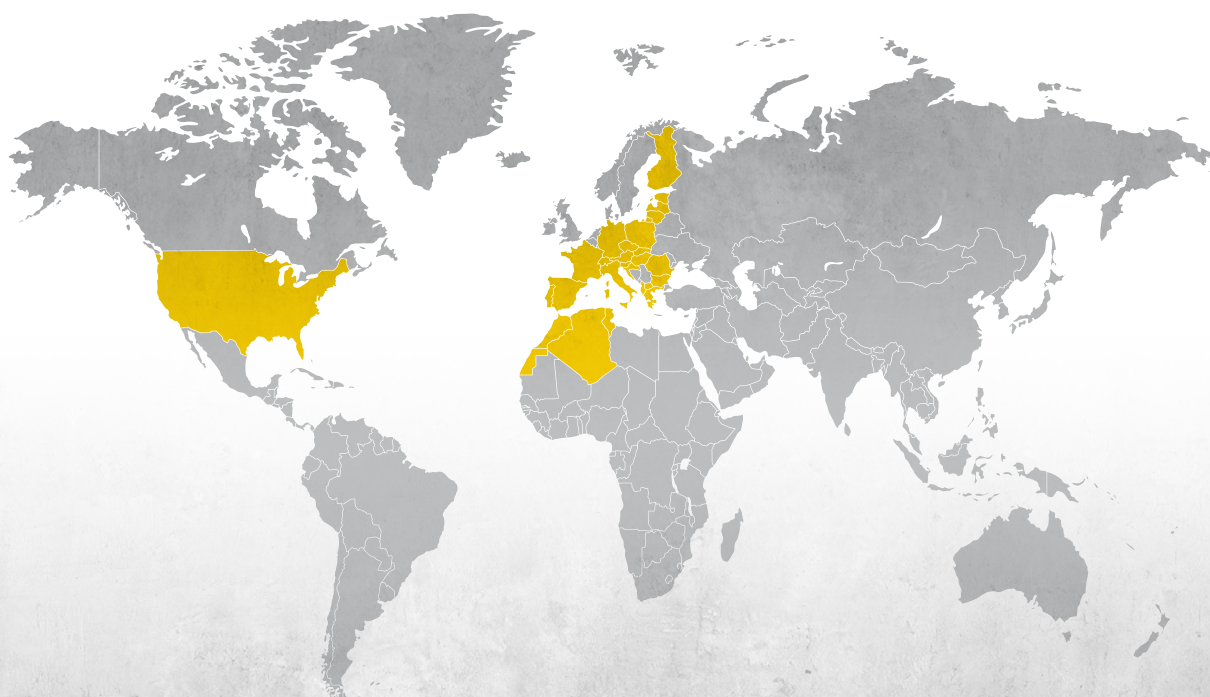
info@sunballast.com

COMMERCIAL CONSULTING

commerciale@sunballast.com

TECHNICAL SUPPORT

tecnico@sunballast.com



MADE TO LAST.

www.sunballast.com