

PV GROUND MOUNTING SYSTEM

Aluminium supporting structures for solar panels

4900

PESP  **LUMIN**



sales.pespa@pespagroup.com



Website: www.pespagroup.com



Address: Lagjia 14, Shkozet Durrës, Albania



Pespa Alumin



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PROFILES AND ACCESSORIES FOR ALUMINUM STRUCTURES FOR TERRAIN PHOTOVOLTAIC PANELS

- The solar ground mounting structure is a pre-assembled ground mounting system for large-scale commercial and utility-scale solar photovoltaic projects and solar plants.
- It is made of high-quality aluminum and has outstanding corrosion resistance, a structural design that saves installation time and money, and it is compatible with a variety of solar modules.
- This system provides excellent flexibility and stability according to all standard technical necessities.
- It comes completed with all relevant profiles and accessories.

Our manufacturing capacity is not only limited producing this standard solar structure for flat roof but also gives the customer freedom to customize its own product including their specific drawings and requests regarding the triangle structures, profiles and accessories, technical properties and to reach needed static requirements.

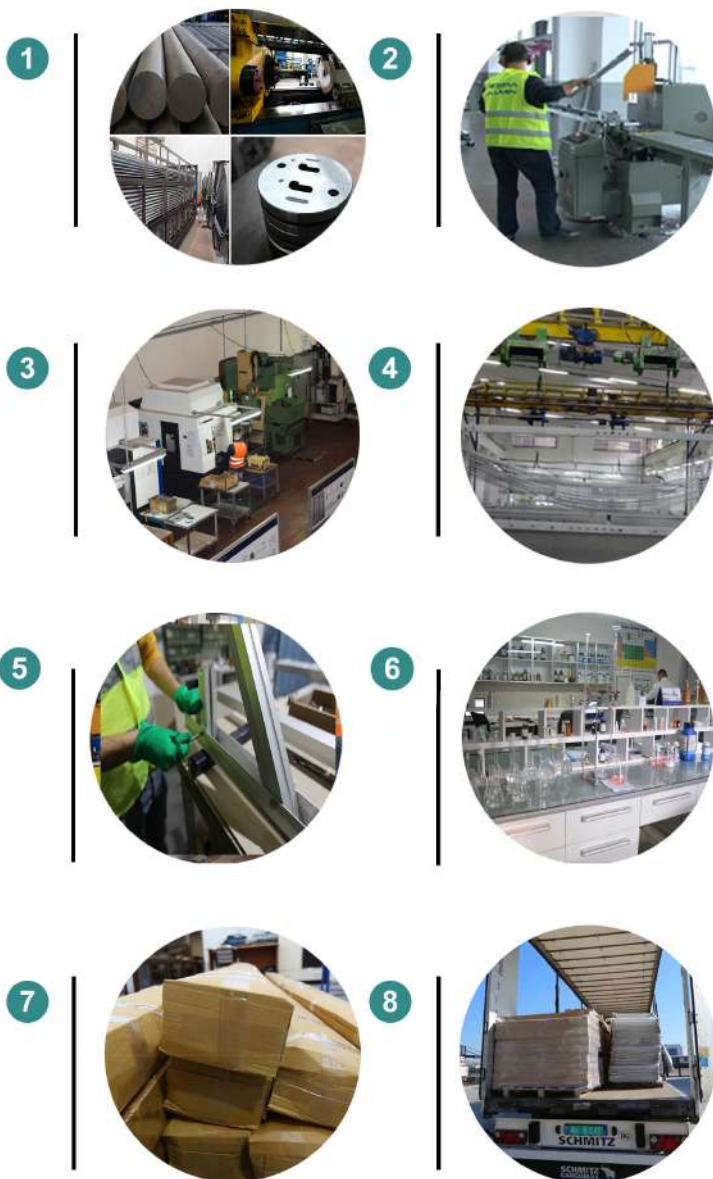


PRODUCTION CYCLE

ALUMINIUM SUPPORTING STRUCTURES FOR PHOTOVOLTAIC SYSTEMS

The production cycle of this product consists in:

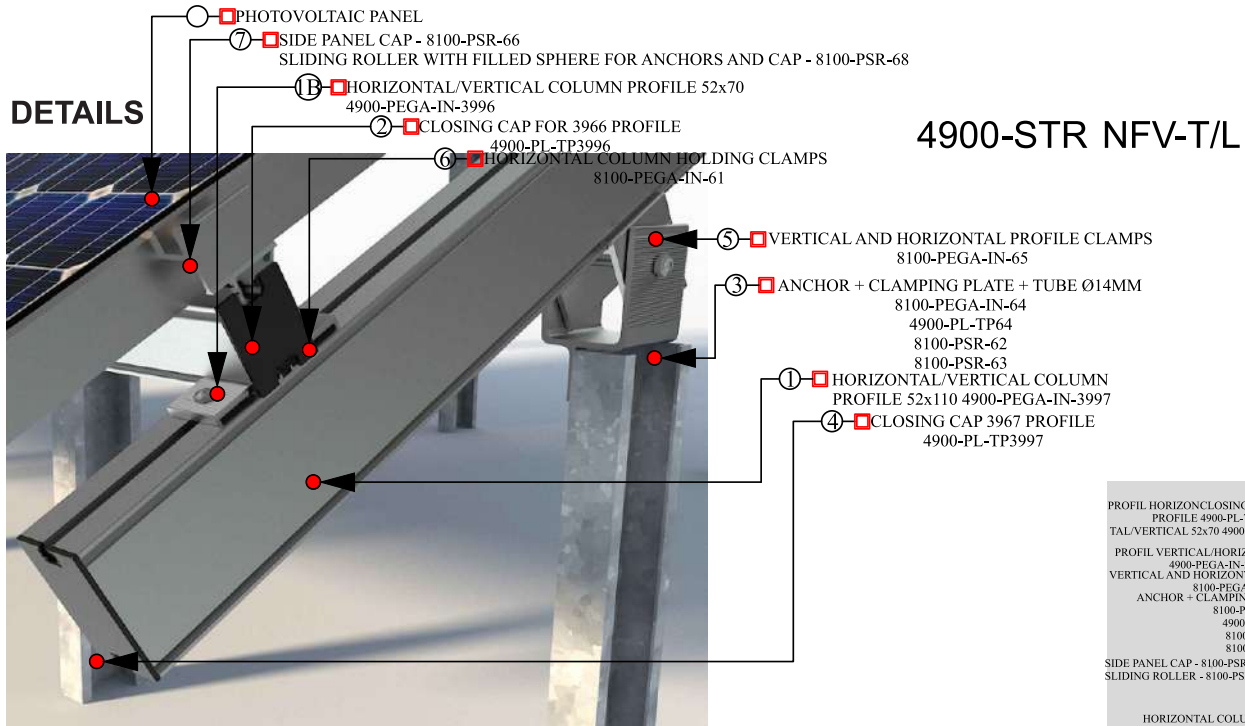
- 1 **Extrusion of profiles-** Aluminum profiles production in extrusion presses
- 2 **Cutting and working center process-** Cutting of aluminium profiles according to the dimensions and designs and processing in working centers.
- 3 **Aluminium accessories manufacturing-** production of the accessories through processes such as milling, drilling, turning, threading and adjusting.
- 4 **Anodizing of aluminum profiles and accessories-** surface treatment with anodizing
- 5 **Assembling-** Assembly of modules and kits to be installed as per customised design
- 6 **Quality Control**
- 7 **Packaging and storage**
- 8 **Transport**



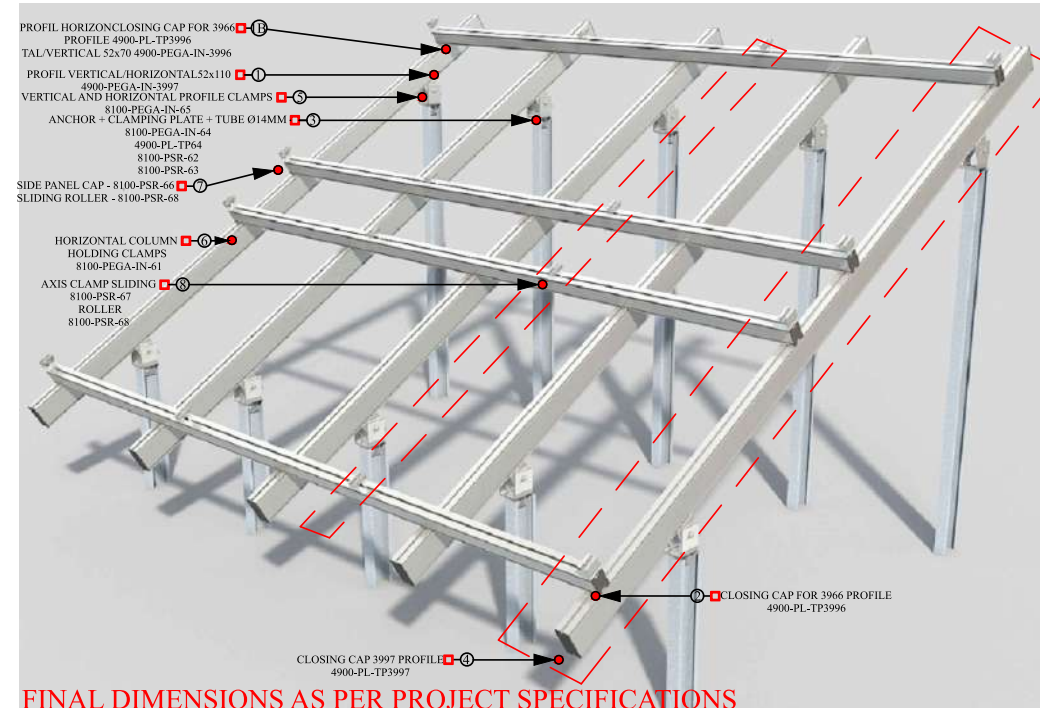
STRUCTURES

PV GROUND MOUNTING SYSTEM ALUMINIUM SUPPORTING STRUCTURES

4900



4900-STR NFV-T/L



ANCHORS NODE





4900-PEGA-MBA-3996

Solar aluminium horizontal profile 52×70 mm for on ground mounting supporting structure



4900-PEGA-MBA-3997

Solar aluminium vertical profile 52×110 mm for on ground mounting supporting structure

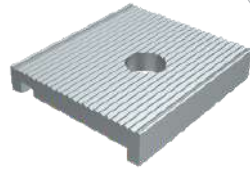


Note: Various profiles lengths can be made according to the order.



8100-PSR-MBA-2613-60/300

Solar aluminium adaptor of horizontal profile with cutting 300 mm



8100-PSR-MBA-61

Aluminium holding clamp of horizontal column profile



8100-PSR-MBA-62

Aluminium clamping tightening plate with cutting 80 mm with two parts of anchor



8100-PSR-MBA-63

Aluminium tube Ø 14mm with length 51 mm, for anchor tightening



8100-PSR-MBA-64

Aluminium anchor for vertical profile connection with zinc coated stainless profile



8100-PEGA-MBA-65

Aluminium clamp of vertical and horizontal profile

Technical additional information

- ◆ System of aluminium and profiles: PV ground mounting system
- ◆ Raw material: Primary aluminium alloy 6060/6063 - ***Provided in mill finished, natural anodized.***
- ◆ Fixing type: On ground mounting

ACCESSORIES

PV GROUND MOUNTING SYSTEM ALUMINIUM SUPPORTING STRUCTURES

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8100-PSR-MBA-66

Anodized solar aluminium end clamp for on ground mounting structure



8100-PSR-MBA-67

Solar aluminium mid clamp for on ground mounting structure



8100-PSR-MBA-68

PSR slot nut connecting component with sphere for anchors and clamps

PLASTIC ACCESSORIES



4900-PL-TP-3996

Closures plug for horizontal profile of column 52x70mm of photovoltaic supporting structure



4900-PL-TP-3997

Closures plug for vertical profile of column 52x110mm photovoltaic supporting structure



4900-PL-TP64

Basement accessory of photovoltaic supporting structure

Technical additional information

- ◆ System of aluminium and profiles: PV ground mounting system
- ◆ Raw material: Primary aluminium alloy 6060/6063- **Provided in mill finished, natural anodized.**
- ◆ Fixing type: On ground mounting

Our activity, services and products are certified for:

- ✓ Design, production and trade of aluminium shapes and accessories for civil and industrial applications. ventilated facades systems, handrails, shutters, fences, sunbreakers and components of interior and exterior furnishings systems
- ✓ Design, production and trade of aluminium structures for solar panels.
- ✓ Design, production and trade of precast aluminium structures for the construction of civil and industrial accommodation modules and relative assembly.

QUALANOD LICENCE FOR ARCHITECTURE ANODISING

PESPA ALUMIN is authorized to use the quality sign, according to the regulations for the use of the quality label for ARCHITECTURAL ANODIZING



QUALANOD LICENCE FOR INDUSTRIAL ANODISING

PESPA ALUMIN is authorized to use the quality sign, according to the regulations for the use of the quality label for INDUSTRIAL ANODIZING.



ISO 14001:2015 - ENVIRONMENTAL MANAGEMENT SYSTEM

Pespa Alumin has implemented and maintains an environmental system which fulfills the requirements of the standard in all the operative units.



ISO 45001:2018 - HEALTH AND SAFETY MANAGEMENT SYSTEM

Pespa Alumin has implemented and maintains in compliance with the standard for its activity.



ISO 9001:2015 - QUALITY MANAGEMENT SYSTEM

Pespa Alumin is a certified organisation which fulfills the requirements of the standard.

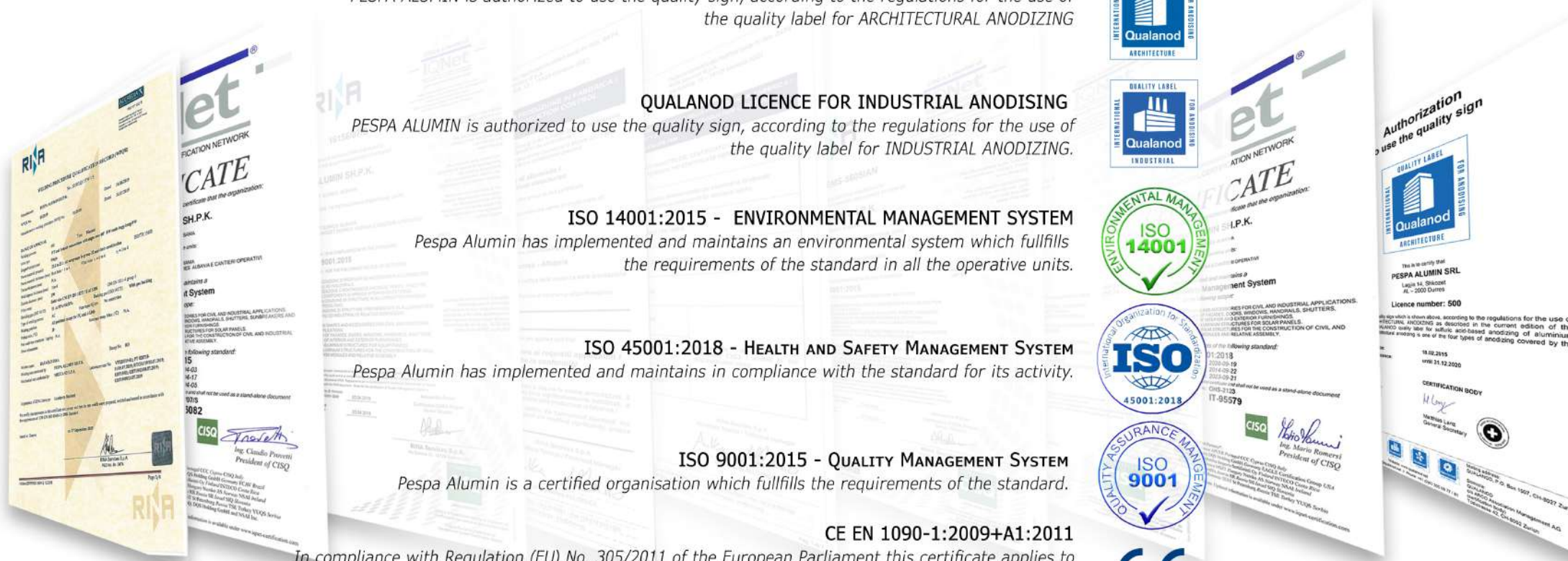


CE EN 1090-1:2009+A1:2011

In compliance with Regulation (EU) No. 305/2011 of the European Parliament this certificate applies to the construction product: Structural components and kits for aluminium structures



STANDARD EN 1090-1 / EN 1090-3 CERTIFICATE: WELDED ALUMINIUM COMPONENTS FOR STRUCTURAL WORKS
 Standard – technical requirements - EN 1090-1 / EN 1090-3 Execution class(es) - EXC1; EXC2; EXC3; EXC4 Method(s) CE marking – 2; 3a; 3b Welding process(es) - 131; 141 EN ISO 4063 Parent material(s) - Groups: 23.1 ISO/TR 15608





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