

ASTURMADI RENEERGY designs, calculates and manufactures particular solutions for canopies and covers for parking structures with solar photovoltaic modules installed. Its innovative design makes the assembly process easier by providing a high aesthetic value and maintaining the quality in the products. Customized solutions are developed to suit client requirements.

EXPERIENCE



- ✓ ASTURMADI RENEERGY technical team has more than 10 years of experience in photovoltaic sector and more than 1,2 GW of projects executed.
- ✓ Participation in projects in more than 20 countries.

DESIGN



- ✓ Design and calculation of the structure to achieve the requirements imposed by the clients and current regulation from each country.
- ✓ Structural solutions are designed in an innovative way with a high aesthetic value.

MANUFACTURING



- ✓ Own manufacturing cold formed profiles according to UNE-EN 10162. Different steel qualities are selected to cover project needs.
- ✓ Coating treatments are applied to guarantee the structure durability (Hot Dip Galvanized, Posmac, Magnelis, Maginc or similar).

ASSEMBLY



- ✓ Easy assembly process. All joints are bolted, neither cuts nor welds are needed in construction.
- ✓ Versatile structure, applicable to different facilities (golf courses, grandstand deck, bus stop, etc)

QUALITY



- ✓ Metal structure manufactured according to UNE-EN 1090.
- ✓ Hot Dip Galvanized structure and / or ZM coating treatment (Zinc-Magnesium) according to UNE-EN ISO 1461 and UNE-EN 10346 respectively.

WARRANTY



- ✓ 10 years structure warranty (expandable).
- ✓ Coating warranty is dependant from the environment where the structure is installed according to UNE-EN ISO 14713 (*).

SPAIN

Travesía de la Industria Nº51
Polígono de las Arobias
33401 Avilés, Asturias
Tel. +34 985 525 755
Fax +34 985 525 130

MEXICO

Norte 45 No. 686
Industrial Vallejo, Azcapotzalco
México, D.F. CP 02300
Tel. 01(55) 67 28 00 87

www.asturmadienergy.com
 info@asturmadienergy.com
 +34 985 525 755

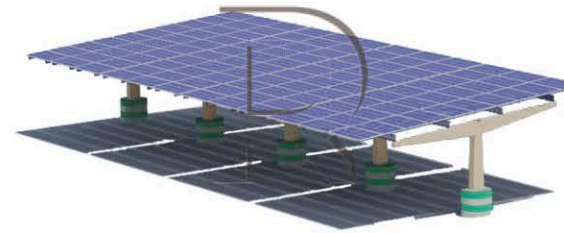
GENERAL CHARACTERISTICS

Structure	One Pillar / Two Pillars
Panels	72 cells / 60 cells
Maximum Slope	Tailored to specific client conditions
Material	Cold formed and Hot rolled steel with a yield strength greater or equal to 275 N/mm ²
Finishing Treat (*)	Hot Dip Galvanized according to UNE-EN ISO 1461 or ZM (Zinc-Magnesium) according to UNE-EN 10346
Lacquered	All structures can be lacquered according to client specifications
Maximum Wind	Tailored to local Codes or specific client conditions



Simple canopy for parking

TYPES OF CANOPIES



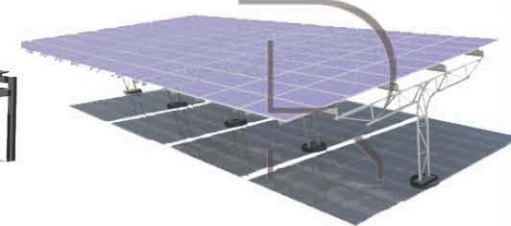
Reinforced double canopy



Double canopy with double pillar



Modular structure for cover parkings



Double canopy in lattice

(*)

Standard Coating Warranty

	Environment	Warranty
C2	Exposed rural inland	50 years
C3	Urban inland or mild coastal	25 years
C4	Industrial inland or urban coastal	10 years
C5	Industrial with high humidity or high salinity coastal	5 years

Service life is guaranteed maintaining environmental conditions without changes.

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